ALPI-00745

//////LPINE

SERVICE MANUAL

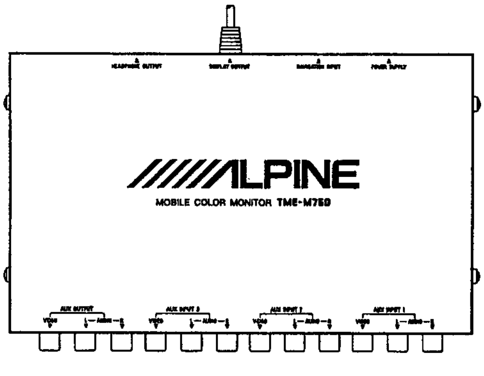
6.5-inch Mobile Color Monitor

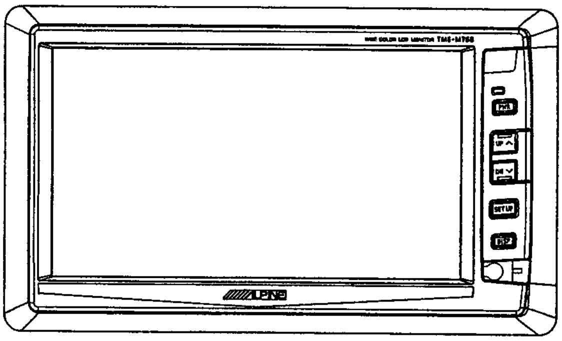
● The model is component system unit of AV Interface Unit and Monitor Unit.

Caution : The part marked with ⚠ is generating a high voltage, so care will be necessary when working.

● 当モデルは、AV Interface Unit と Monitor Unit とのコンポーネント・システム製品です。

注意：●⚠ マークの付いている部分は高圧が発生しますので、作業時には充分注意して下さい。


HEADPHONE OUTPUT
DISPLAY OUTPUT
NAVIGATION INPUT
POWER SUPPLY
ALPINE
MOBILE COLOR MONITOR TME-M760
AUX OUTPUT
AUX INPUT 3
AUX INPUT 2
AUX INPUT 1
VIDEO
L — AUDIO — R


WIDE COLOR LCD MONITOR TME-M760
PWR
UP
DN
SET UP
DISP
ALPINE

TME-M760

<Cautions for Safe Repair Work>

The following cautions will prevent accidents in the workplace and will ensure safe products.

- The symbols indicate caution is needed to prevent injuries and damage to property.
  The symbols and their meanings follow.

⚠ **Warning**	If you ignore this symbol and handle the product incorrectly or unsafely, serious injury or death may result.
⚠ **Caution**	If you ignore this symbol and handle the product incorrectly or unsafely, injury or only material damage may result.

- The following symbols indicate two levels of cautions.

⚠	When you see this symbol, you have to be very careful.
❗	When you see this symbol, you have to follow the instructions there.

⚠ Warning

⚠	**Do not look squarely into the laser light coming from the pickup.** You may loose you sight.	❗	**Fuse Caution** Always use a designated fuse. Use of an incorrect fuse may result in a fire.

⚠ Caution

⚠	**Do not allow wiring to be caught in the screw/chassis.** If wiring is caught in the screw/chassis, it may cause a short circuit, resulting in a fire.	❗	**Battery Caution** Use the designated battery. Confirm the correct polarity and seat of the battery. An incorrect battery or an improperly connected or seated battery may result in a fire.
⚠	**High Temperature Caution** Touching the heat sink may cause severe burns.	❗	**Designated Parts Caution** Look up the part list and ensure that only designated parts are used to prevent problems or accidents.
⚠	**Reverse Power Supply Connections or Misconnections Caution** Reverse power supply connections or misconnections may cause ignition problems and smoke may result.	❗	**Wiring Caution** Ensure that the wiring is correct when rewiring to prevent problems with ignition/breakdown.
⚠	**Soldering Caution** Hot solder from solder splash may cause severe burns.	❗	**Wear Gloves** Wear gloves to prevent electrical shocks or injury from the end face of the metal.

<修理作業安全上の注意>

作業時の事故防止及び製品の安全確保のために、必ずお守りいただくことを説明致します。

●あなたや他の人々への危害や財産への損害を未然に防ぐために、絵表示をしています。
その表示と意味は次のようになっています。

⚠ **警告**	この表示を無視して、誤った取り扱いをすると、人が死亡または重傷を負う可能性が想定される内容を示しています。
⚠ **注意**	この表示を無視して、誤った取り扱いをすると、人が傷害を負う危険が想定される内容及び物的損害のみの発生が想定される内容を示しています。

●内容の種類により、次の表示で区分し、説明しています。

⚠	この表示は、気を付けていただく内容です。
❗	この表示は、必ず実行していただく内容です。

⚠ 警告

⚠	**ピックアップのレーザー光を直視しない。** レーザー光を直視すると、失明する恐れがあります。	❗	**定められたヒューズを使用する。** 火災や故障の原因となるので、必ず指定されたヒューズを使用する。

⚠ 注意

⚠	**配線は挟み込まない。** ねじやシャーシに挟み込むとショートし、火災の原因になることがあります。	❗	**電池は正しく使う。** 指定の電池を使用して下さい。 極性を確認して入れる。間違って入れると故障や火災の原因になることがあります。
⚠	**高温注意。** ヒートシンクに触るとやけどの原因になることがあります。	❗	**部品は指定のものを使用する。** 部品表に記載してある部品を使用する。故障の原因になることがあります。
⚠	**電源の逆/誤接続をしない。** 発煙・発火や故障の原因になります。	❗	**配線はもとどおりにする。** 違った引回しにより、故障・発火などの原因になります。
⚠	**半田付け時に注意。** 半田付けする時には、飛び散りによりやけどなどの原因になることがあります。	❗	**修理時には手袋を着用する。** 金属端面によるけがや、感電を防止するため必ず手袋を着用してください。

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● AV Interface Unit

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● Monitor Unit

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NOTE : Due to continuing product improvement, specifications and designs are subject to change without notice.

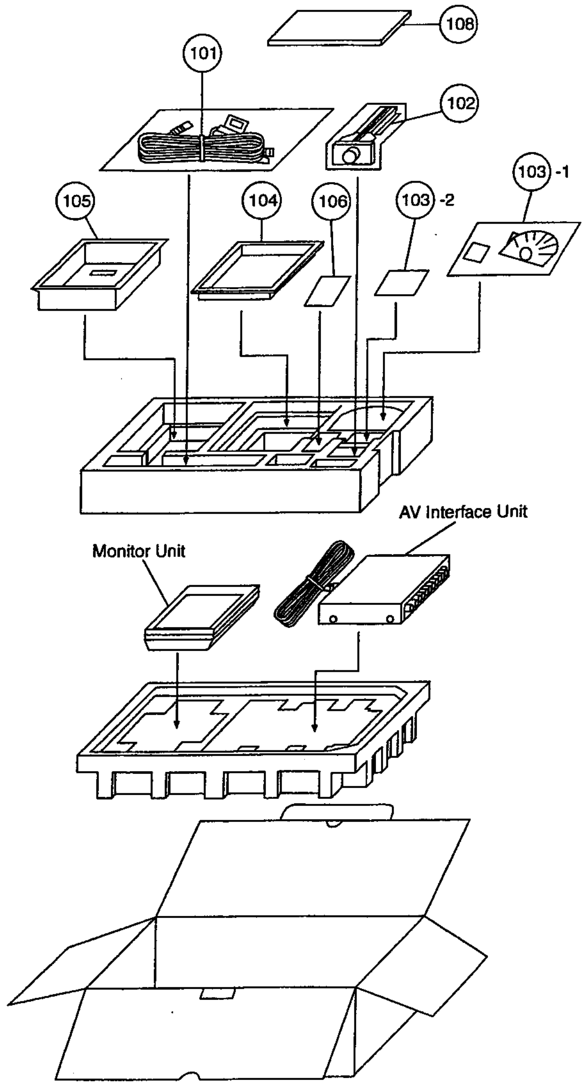
● 規格および外観は、改良の為、予告なく変更することがあります。

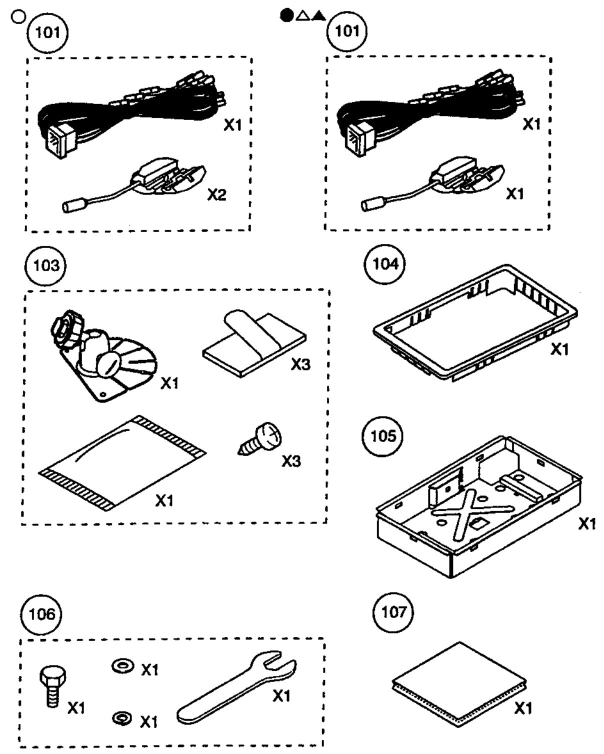
Packing Assembly Parts List

Symbol No.		Part No.	Description
○	101	01E33815S01	ASSY, POWER SUPPLY CABLE
●	101	01E33816S01	ASSY, POWER SUPPLY CABLE
△	101	01E33816S01	ASSY, POWER SUPPLY CABLE
▲	101	01E33816S01	ASSY, POWER SUPPLY CABLE
○	102	07E33817S01	L-BRACKET
●	102	07E33817S01	L-BRACKET
△	102	07E33817S01	L-BRACKET
●	103	01E33818S01	ASSY, TV STAND
△	103	01E33818S01	ASSY, TV STAND
▲	103	01E33818S01	ASSY, TV STAND
	104	33E33819S01	FACE PLATE
	105	07E33820S01	ASSY, BRACKET
	106	03E33821S01	ASSY, SCREW
	107	75E31676S01	MAGIC TAPE
○	108-1	68E33831S01	OWNER'S MANUAL
●	108-1	68E33831S01	OWNER'S MANUAL
△	108-1	68E33831S01	OWNER'S MANUAL
▲	108-1	68E33833S01	OWNER'S MANUAL
●	108-2	68E34117S01	OWNER'S MANUAL
△	108-2	68E34117S01	OWNER'S MANUAL

NOTE : ○ : For North American Model Only, ● : For European Model Only,
△ : For General Foreign Model Only, ▲ : For Japanese Model Only, Others : Common.

Packing Method View

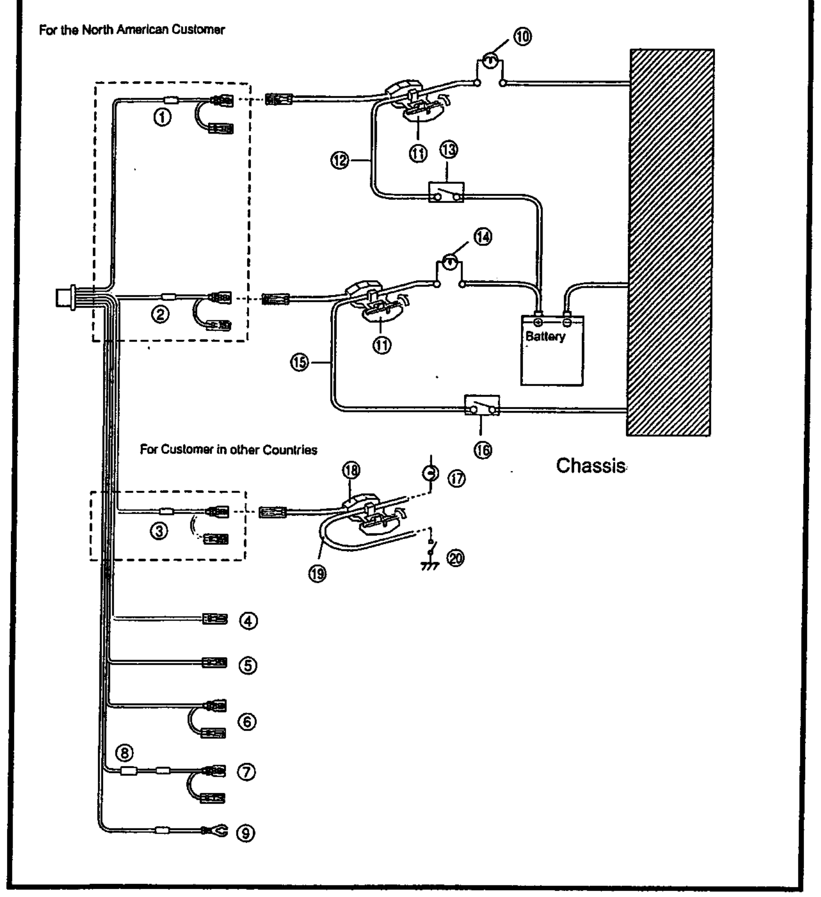

108
101
102
103 -1
105
104
106
103 -2
AV Interface Unit
Monitor Unit


○ 101
X1
X2
●△▲ 101
X1
X1
103
X1
X3
X1
X3
104
X1
105
X1
106
X1
X1
X1
X1
107
X1

NOTE : ○ : For North American Model Only, ● : For European Model Only,
△ : For General Foreign Model Only, ▲ : For Japanese Model Only, Others : Common.

System Connection

Power Lead Connection


For the North American Customer
For Customer in other Countries
Battery
Chassis
①
②
③
④
⑤
⑥
⑦
⑧
⑨
⑩
⑪
⑫
⑬
⑭
⑮
⑯
⑰
⑱
⑲
⑳

Cautions
Make connections correctly.
Improper connections may cause a fire or operation failure.

① **Foot brake lead (Yellow/Black) (For the North American Customer only)**
Connect this lead to the foot brake lead powered when the foot brake is pressed.

② **Hand brake lead (Yellow/Blue) (For the North American Customer only)**
Connect this lead to the hand brake lead powered when the hand brake is pulled.

③ **Parking brake lead (Yellow/Blue) (For Customer in other Countries only)**
Connect this lead to the parking brake lead powered when parking brake is pulled.

④⑤ **Remote control output lead (White/Brown)**
To remote control input lead of ALPINE products used in the system.

⑥ **Back-up lamp signal input/Remote control output lead (AUX3) (Brown/Black)**
The connections to be made will differ depending on the equipment that is connected to the AUX3 input connector.
When connecting a back-up camera:
To the back-up lamp wire. Connect to the positive lead of the back-up lamp which flashes when the shift lever is put in Reverse (R).
When connecting Alpine product:
To the remote input lead. Connect the remote input lead of Alpine product used.

⑦ **ACC power lead (Red)**
To ACC power lead powered when engine key position is ACC.

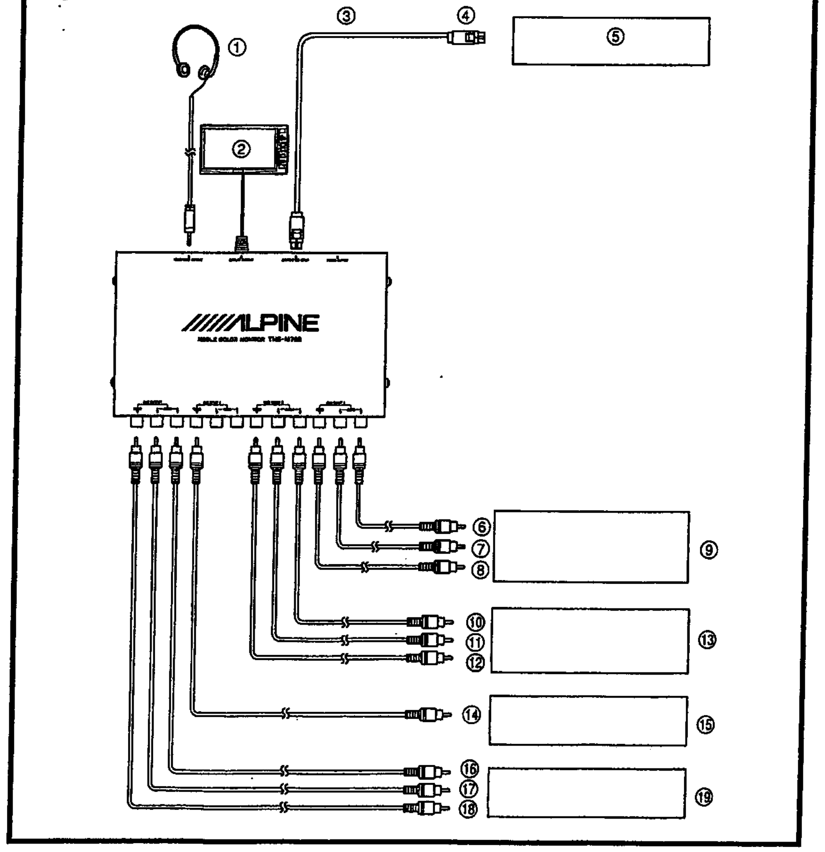
⑧ **Fuse (5A)**

⑨ **Ground lead (Black)**
Connect the lead to a good chassis ground on the vehicle. Make sure the connection is made to bare metal and is securely fastened using the sheet metal screw provided.

For the North American Customer only
⑩ **Foot brake lamp**
⑪ **Brake connector (Included)**
⑫ **Foot brake lead**
⑬ **Foot brake switch**
⑭ **Hand (parking) brake lamp**
⑮ **Hand (parking) brake lead**
⑯ **Hand (parking) brake switch**

For Customer in other Countries only
⑰ **Brake Lamp**
⑱ **Brake Connector (Included)**
⑲ **Brake Signal Lead**
⑳ **Brake Switch**

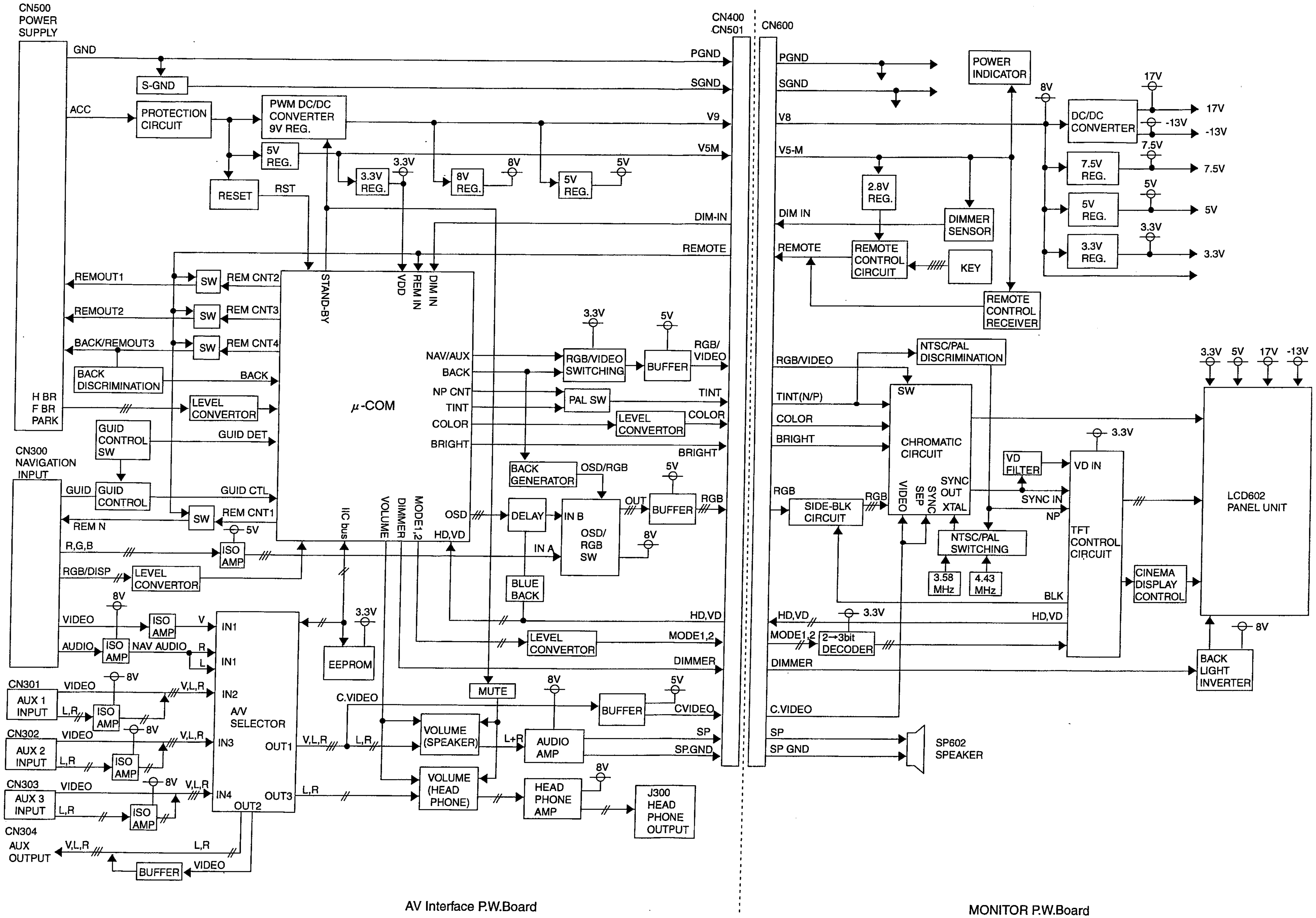
System Connection



Please read the Owner's Manual of the products connected also.
① Headphone
② Main monitor
③ RGB cable
④ To RGB output terminal.
⑤ Made by Alpine navigation
⑥ To audio output terminal (right).
⑦ To audio output terminal (left).
⑧ To video output terminal.
⑨ Made by Alpine DVD player (sold separately)
⑩ To audio output terminal (right).
⑪ To audio output terminal (left).
⑫ To video output terminal.
⑬ Video deck (sold separately)
⑭ To video output terminal.
⑮ Back camera (sold separately)
⑯ To audio input terminal (right).
⑰ To audio input terminal (left).
⑱ To video input terminal.
⑲ Rear monitor (sold separately)

Notes:
- If the video's audio output is monaural, connect the power unit side to the "L" audio input.
- For instructions on connecting the power of the separately sold monitor, refer to the instructions included with the separately sold monitor.
- Refer to "Switching the source" to view the images of a separately sold video deck and separately sold DVD player.

Block Diagram


CN500 POWER SUPPLY
GND
S-GND
ACC
PROTECTION CIRCUIT
PWM DC/DC CONVERTER 9V REG.
5V REG.
RESET
RST
3.3V REG.
8V REG.
5V REG.
3.3V
8V
5V
PGND
SGND
V9
V5M
DIM-IN
REMOTE
CN400
CN501
CN600
REMOUT1
REMOUT2
BACK/REMOUT3
SW
REM CNT2
REM CNT3
REM CNT4
BACK DISCRIMINATION
BACK
H BR
F BR
PARK
LEVEL CONVERTER
GUID CONTROL SW
GUID DET
CN300 NAVIGATION INPUT
GUID
GUID CONTROL
GUID CTL
REM CNT1
REM N
R,G,B
ISO AMP
RGB/DISP
VIDEO
AUDIO
NAV AUDIO
V
R
L
STAND-BY
VDD
REM IN
DIM IN
μ-COM
NAV/AUX
NP CNT
TINT
COLOR
BRIGHT
OSD
HD,VD
IIC bus
VOLUME
DIMMER
MODE1,2
RGB/VIDEO SWITCHING
BUFFER
RGB/ VIDEO
PAL SW
LEVEL CONVERTOR
BACK GENERATOR
OSD/RGB
DELAY
IN B
IN A
OSD/ RGB SW
OUT
RGB
BLUE BACK
EEPROM
CN301 AUX 1 INPUT
CN302 AUX 2 INPUT
CN303 AUX 3 INPUT
V,L,R
L,R
IN1
IN2
IN3
IN4
A/V SELECTOR
OUT1
OUT2
OUT3
C.VIDEO
MUTE
VOLUME (SPEAKER)
VOLUME (HEAD PHONE)
L+R
AUDIO AMP
HEAD PHONE AMP
J300 HEAD PHONE OUTPUT
CVIDEO
SP
SP.GND
CN304 AUX OUTPUT
AV Interface P.W.Board
POWER INDICATOR
V8
V5-M
DIM IN
2.8V REG.
DIMMER SENSOR
REMOTE CONTROL CIRCUIT
KEY
REMOTE CONTROL RECEIVER
DC/DC CONVERTER
17V
-13V
7.5V REG.
7.5V
5V REG.
3.3V REG.
RGB/VIDEO
NTSC/PAL DISCRIMINATION
TINT(N/P)
CHROMATIC CIRCUIT
VIDEO
SYNC SEP
SYNC OUT
XTAL
SIDE-BLK CIRCUIT
NTSC/PAL SWITCHING
3.58 MHz
4.43 MHz
VD FILTER
VD IN
SYNC IN
NP
TFT CONTROL CIRCUIT
BLK
CINEMA DISPLAY CONTROL
LCD602 PANEL UNIT
2→3bit DECODER
BACK LIGHT INVERTER
SP602 SPEAKER
SP GND
MONITOR P.W.Board

● AV Interface Unit

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Cabinet Assembly Parts List 102

Specifications

Audio Frequency Response (AUX Input, Ref. 1kHz)	100Hz : 1dB 400Hz : 1dB 5kHz : 2dB
Distortion (AUX Input, 1kHz)	1%
Audio Separation (AUX Input, Ref. 1kHz)	45dB
Current Consumption (Audio : Ref. 1kHz, VOL MAX, Video : Color Bar, Back-light HIGH, Brightness CENTER)	AUX 1 Mode : 650 to 750mA Stand-by : 30 to 50mA
Power Supply	DC14.4V (10 to 16V allowable)
Dimension (W×H×D)	196×119×28.5mm
Weight	770g

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Adjustment Procedures

1. LCD DISPLAY SPECIFICATIONS

< Test condition >

Watch the LCD at a distance of 30cm.

1.LCD luminous spot specification.

Condition for picture	Permissible Quantity
A black picture all around.	A total of quantity for red, green or blue spot should be within 2 point.

＊Point : 1point = 1cell

2.LCD black spot specification.

Condition for picture	Permissible Quantity
A black picture all around or a white picture all around.	A total of quantity for luminous spot and black spot should be within 9 point.

＊Point : 1point = 2cell (Black spot only)

1. LCD DISPLAY欠点（輝点、黒点）スペック

< テスト条件 >

LCD画面より30cm離して見るようにして下さい。

1.LCD輝点スペック

表示条件	許容数
黒画面	赤色2個、緑色2個迄

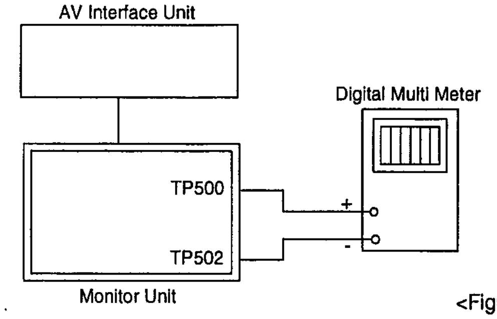
＊点 サイズ： 一点 = 1ピクセル。

2.LCD黒点スペック

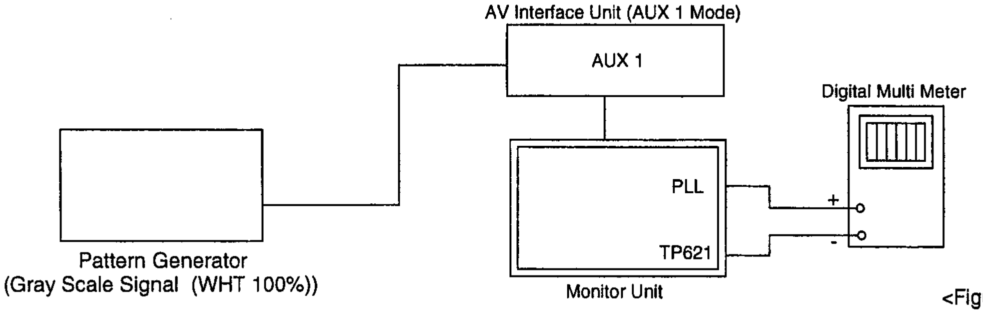
表示条件	許容数
黒画面 … 輝点 白画面 … 黒点	すべての欠点（黒点+輝点）の合計で9個迄

＊点 サイズ： 一点 = 2ピクセル(黒点のみ)。

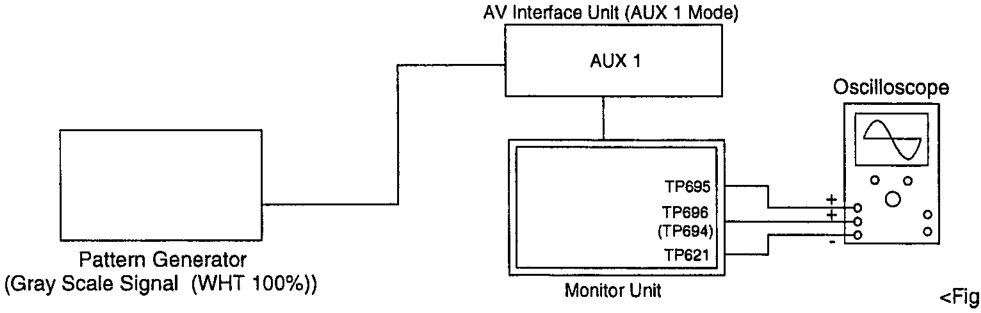
2. Connections
2. 接続


AV Interface Unit
Digital Multi Meter
TP500
TP502
+
-
Monitor Unit

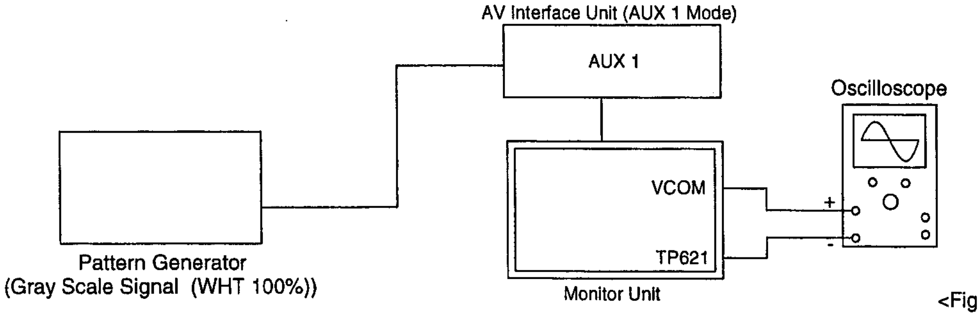
<Figure 1>


AV Interface Unit (AUX 1 Mode)
AUX 1
Digital Multi Meter
PLL
TP621
+
-
Monitor Unit
Pattern Generator
(Gray Scale Signal (WHT 100%))

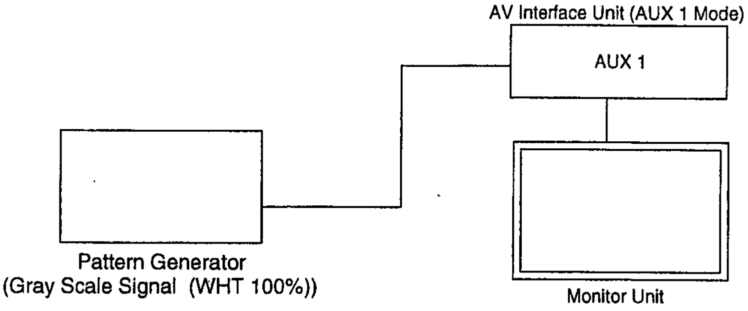
<Figure 2>


AV Interface Unit (AUX 1 Mode)
AUX 1
Oscilloscope
TP695
TP696
(TP694)
TP621
+
+
-
Monitor Unit
Pattern Generator
(Gray Scale Signal (WHT 100%))

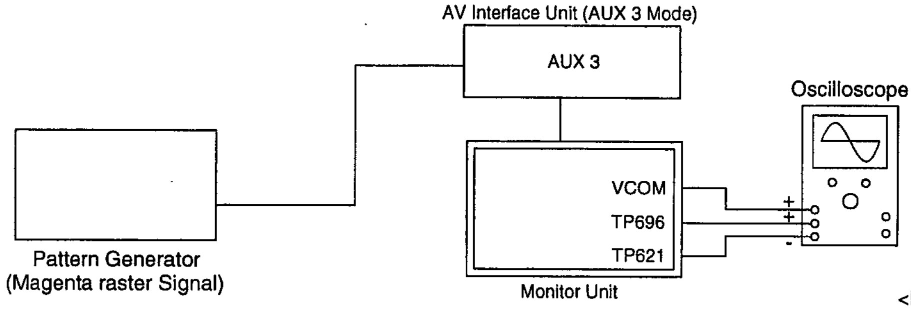
<Figure 3>


AV Interface Unit (AUX 1 Mode)
AUX 1
Oscilloscope
VCOM
TP621
+
-
Monitor Unit
Pattern Generator
(Gray Scale Signal (WHT 100%))

<Figure 4>


AV Interface Unit (AUX 1 Mode)
AUX 1
Pattern Generator
(Gray Scale Signal (WHT 100%))
Monitor Unit

<Figure 5>


AV Interface Unit (AUX 3 Mode)
AUX 3
Oscilloscope
VCOM
TP696
TP621
+
+
-
Pattern Generator
(Magenta raster Signal)
Monitor Unit

<Figure 6>

2 Adjustment Procedures
2 調整

Step	Description	Connection	Test Point/ P.W.Board Coordinates	Adjustment
1	Power supply voltage confirmation	Figure 1	TP500 (1-F) TP502 (1-F)	①Monitor board, LCD are connected with AV Interface Board. ②The DC-stabilization power supply of 14.4V±0.1V is connected between TP500 (V_IN) -TP502 (GND). ③An input signal is set up. AUX1:The eighth gradation gray scale signal. (100% contains white. NTSC) AUX2:The eighth gradation gray scale signal. (100% contains white. PAL) AUX3:Magenta raster signal.(PAL) ④The power is turned on by the remote control. ⑤It is made "AUX" mode by the remote control. ⑥DIMMER : MAX ⑦Brightness : CENTER ①AVインターフェイスボードにモニターボード、LCDを接続する。 ②TP500(V_IN)-TP502(GND)間に14.4V±0.1Vの直流安定化電圧電源を接続する。 ③入力信号を設定する。 AUX1:８階調グレースケール信号。（１００%白を含む, NTSC) AUX2:８階調グレースケール信号。（１００%白を含む, PAL) AUX3:マゼンタ・ラスター信号。(PAL) ④リモコンで電源をONする ⑤リモコンで"AUX" modeにする ⑥DIMMER : MAX ⑦Brightness : CENTER
2	PLL VR Adjustment	Figure 2	PLL (2-D) TP621 (3-F)	①AUX1 mode (NTSC gray scale) ②Adjust VR603 so that the voltage of PLL-TP621 (S-GND) may become 1.8V±0.05V. ①AUX1モード(NTSC グレースケール) ②PLL-TP621(S-GND)の電圧が1.8V±0.05VになるようにVR603を調整する。
3	Sub Bright VR Adjustment	Figure 3	TP621 (3-F) TP694 (3-A) TP695 (3-A) TP696 (3-A)	①AUX1 mode (NTSC gray scale) ②Display stair step waveform across TP695 (G) -TP621(S-GND) on the oscilloscope. Use this waveform as a reference waveform. ③Adjust VR601 so that the stair step waveform scross TP696 (R) -TP621 (S-GND) overlaps with reference waveform obtained in step ②. in center of rising and falling edges of both stair step waveforms. ④Adjust VR602 so that the stair step waveform scross TP694 (B) -TP621 (S-GND) overlaps with reference waveform obtained in step ②. in center of rising and falling edges of both stair step waveforms. NOTES:Synchronize oscilloscope with VCOM signal. Use oscilloscope in 2CH and observe VG signal and VR signal, and VG signal and VB signal, respectively in the same GND level.

Step	Description	Connection	Test Point/ P.W.Board Coordinates	Adjustment
3	Sub Bright VR Adjustment	Figure 3	TP621 (2-D) TP694 (3-A) TP695 (3-A) TP696 (3-A)	①AUX1モード(NTSC グレースケール) ②TP695(G)-TP621(S-GND)間の階段波形をオシロスコープに表示する。 これを基準波形とする。 ③TP696(R)-TP621(S-GND)間の階段波形が、②の基準波形と重なるようにVR601を調整する。（登りの階段波形と下りの階段波形の両方の中央が一致するように合わせる。） ④TP694(B)-TP621(S-GND)間の階段波形が、②の基準波形と重なるようにVR602を調整する。（登りの階段波形と下りの階段波形の両方の中央が一致するように合わせる。） 注）オシロスコープの同期はVCOM信号でとる。 オシロスコープは2CH使用して、VG信号とVR信号、VG信号とVB信号を同一GNDレベルで観測する。
4	Brightness Adjustment	Figure 4	TP621 (2-D) VCOM (3-A)	Adjust VR600 so that the amplitude of rectangular wave of VCOM-TP621 (S-GND) may become 6.7Vp-p±0.1V. VCOM-TP621(S-GND)間の矩形波の振幅が6.7Vp-p±0.1VになるようにVR600を調整する。
5	Flicker Adjustment	Figure 5	-	AUX1 mode (NTSC gray scale) Select "CINEMA" mode with mode selection key. Adjust VR604 for minimum flicker. AUX1モード(NTSC グレースケール) モード選択キーで「CINEMA」モードにする。 フリッカーが最も少なくなるように、VR604で調整する。
6	Burst cleaning coil Adjustment	Figure 6	TP621 (2-D) TP696 (3-A)	AUX3 mode (Magenta raster signal, PAL) Display image signal TP696 (R) -TP621 (S-GND) on the oscilloscope. T600 is adjusted so that a horizontal part may pile up when it seems that a horizontal part is double and it is lightly falling. NOTES:Preset is being done with the coil. Synchronize oscilloscope with VCOM signal. AUX3モード(マゼンタ・ラスター信号、PAL) TP696(R)-TP621(S-GND)間の映像信号をオシロスコープに表示する。 水平部分が二重に見え、ちらついている時は、水平部分が重なるようにT600を調整する。 注）コイルはプリセットされている。 オシロスコープの同期はVCOM信号でとる。

NOTE : For the Ajustment parts and Test Points, refer to the Parts Layout on P.W.Boards and Wiring Diagram.

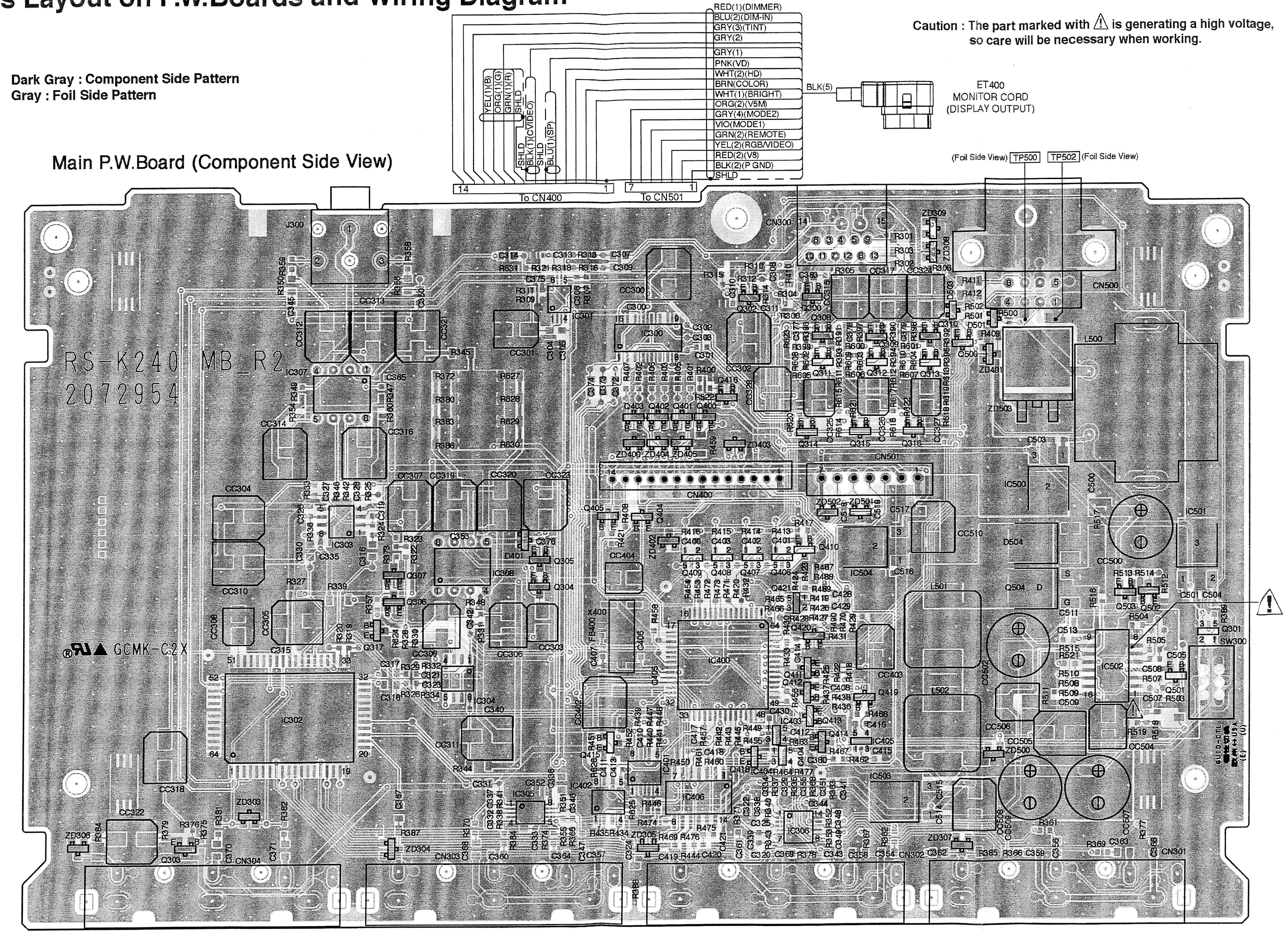
注記：調整部品及びテストポイントの詳細については、「Parts Layout on P.W.Boards and Wiring Diagram」を参照願います。

Parts Layout on P.W.Boards and Wiring Diagram

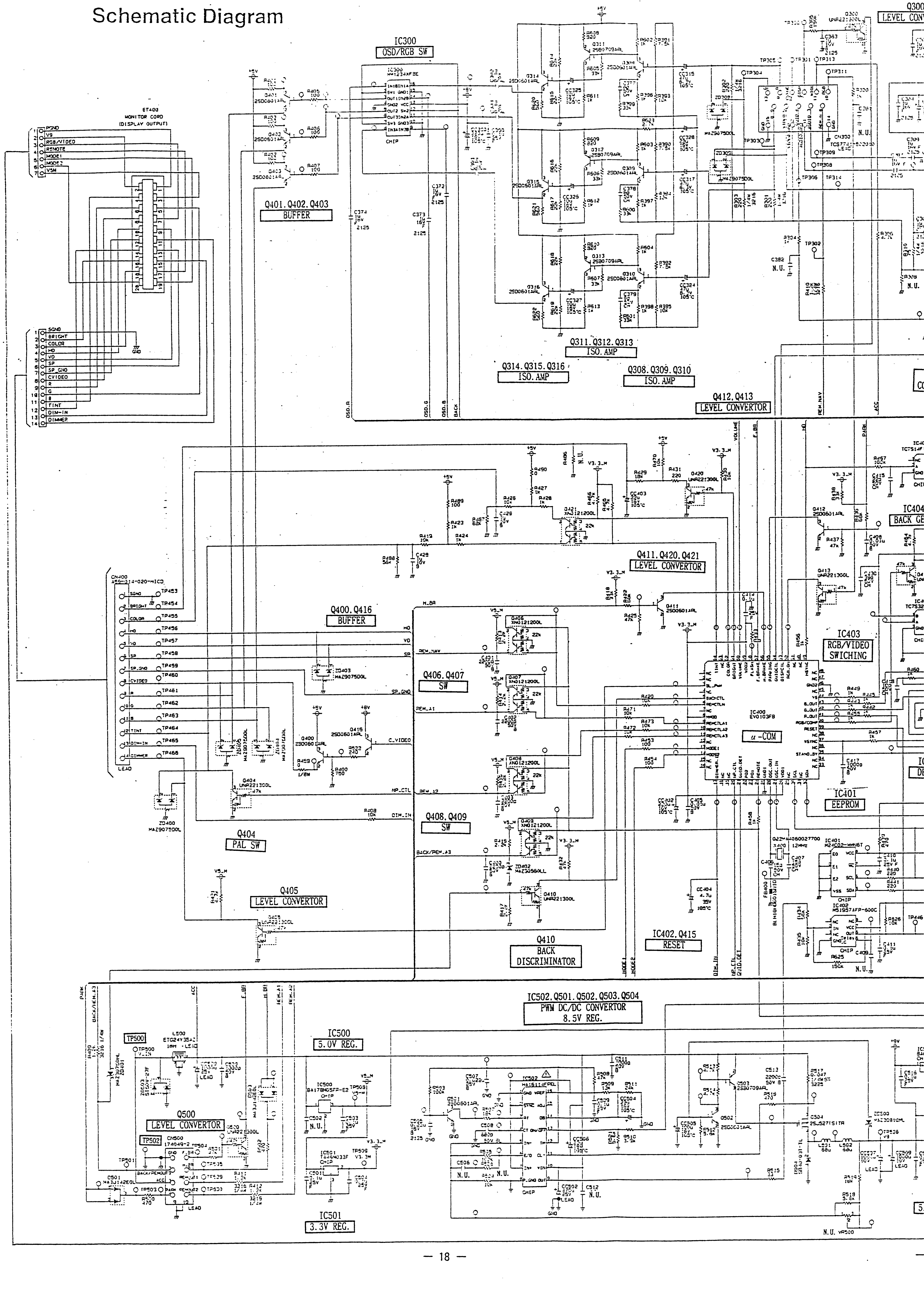
Caution : The part marked with ⚠ is generating a high voltage, so care will be necessary when working.

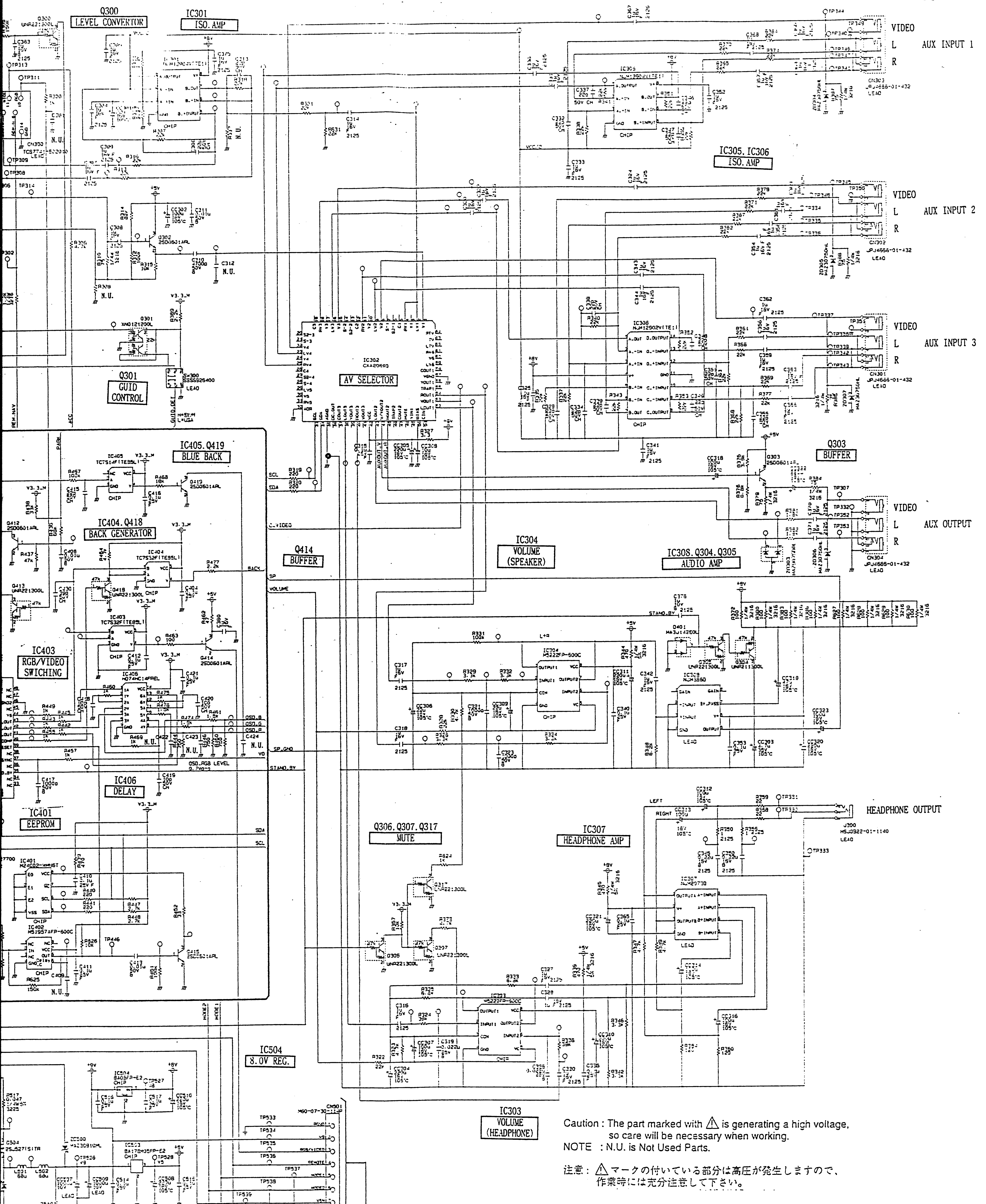
Dark Gray : Component Side Pattern
Gray : Foil Side Pattern

Main P.W.Board (Component Side View)


RED(1)(DIMMER)
BLU(2)(DIM-IN)
GRY(3)(TINT)
GRY(2)
GRY(1)
PNK(VD)
WHT(2)(HD)
BRN(COLOR)
WHT(1)(BRIGHT)
ORG(2)(V5M)
GRY(4)(MODE2)
VIO(MODE1)
GRN(2)(REMOTE)
YEL(2)(RGB/VIDEO)
RED(2)(V8)
BLK(2)(P GND)
SHLD
YEL(1)(B)
ORG(1)(G)
GRN(1)(R)
SHLD
SHLD
BLK(1)(CVIDEO)
SHLD
BLU(1)(SP)
BLK(5)
ET400
MONITOR CORD
(DISPLAY OUTPUT)
14
1
To CN400
7
1
To CN501
(Foil Side View) TP500
TP502 (Foil Side View)
RS-K240 MB_R2
2072954
GCMK-C2X
J300
CN300
CN500
CN400
CN501
CN301
CN302
CN303
CN304
IC300
IC301
IC302
IC303
IC304
IC305
IC306
IC307
IC308
IC400
IC401
IC402
IC406
IC500
IC501
IC502
IC503
IC504
L500
L501
L502
D504
Q504
X400
SW300
1
2
3
4
5
A
B
C
D
E
F
G

Schematic Diagram


IC300
OSD/RGB SW
Q401.Q402.Q403
BUFFER
ET400
MONITOR CORD
(DISPLAY OUTPUT)
Q311.Q312.Q313
ISO.AMP
Q314.Q315.Q316
ISO.AMP
Q308.Q309.Q310
ISO.AMP
Q412.Q413
LEVEL CONVERTOR
Q300
LEVEL CON
Q411.Q420.Q421
LEVEL CONVERTOR
Q400.Q416
BUFFER
Q406.Q407
SW
Q408.Q409
SW
Q404
PAL SW
Q405
LEVEL CONVERTOR
Q410
BACK
DISCRIMINATOR
IC402.Q415
RESET
IC400
EV0103F8
μ-COM
IC403
RGB/VIDEO
SWICHING
IC401
EEPROM
IC404
BACK GE
IC502.Q501.Q502.Q503.Q504
PWM DC/DC CONVERTOR
8.5V REG.
IC500
5.0V REG.
IC501
3.3V REG.
Q500
LEVEL CONVERTOR
TP500
TP502
CN400
CN500
SGND
BRIGHT
COLOR
HD
VD
SP
SP_GND
CVIDEO
R
G
B
TINT
DIM-IN
DIMMER
PGND
V9
RGB/VIDEO
REMOTE
MODE1
MODE2
VSM
OSD.R
OSD.G
OSD.B
BACK
PARK
ACC
VOLUME
F.BR
H.BR
NP_CTL
DIM_IN
BACK/REM_A3
MODE1
MODE2
N.U.


Q300
LEVEL CONVERTOR
IC301
ISO. AMP
VIDEO
L
R
AUX INPUT 1
IC305. IC306
ISO. AMP
AUX INPUT 2
AUX INPUT 3
IC302
CXA2069Q
AV SELECTOR
Q301
GUID CONTROL
IC405. Q419
BLUE BACK
IC404. Q418
BACK GENERATOR
Q414
BUFFER
IC304
VOLUME (SPEAKER)
IC308. Q304. Q305
AUDIO AMP
Q303
BUFFER
AUX OUTPUT
IC403
RGB/VIDEO SWICHING
IC406
DELAY
IC401
EEPROM
Q306. Q307. Q317
MUTE
IC307
HEADPHONE AMP
HEADPHONE OUTPUT
IC504
8.0V REG.
IC503
5.0V REG.
IC303
VOLUME (HEADPHONE)
SCL
SDA
C-VIDEO
BACK
SP
VOLUME
SP.GND
STAND.BY
OSD.B
OSD.G
OSD.R
LEFT
RIGHT
N.U.

Caution : The part marked with ⚠ is generating a high voltage,
so care will be necessary when working.
NOTE : N.U. is Not Used Parts.

注意：⚠マークの付いている部分は高圧が発生しますので、
作業時には充分注意して下さい。

Main P.W.Board

Terminal Voltage of IC/TR

Rer. No.	Pin No.	Voltage(V)	NOTE
IC300	1	2.32	OSD:waveform1
	2	2.48	H=OSD L=NAVI_RGB, AUX mode No-OSD : waveform2
			AUX mode OSD : waveform3
			NAVI mode OSD:waveform4,No-OSD:waveform5
	3	1.58	OSD:waveform6
			NAVI mode:waveform7, OSD:waveform8
	4	0	
	5	1.58	OSD:waveform9
			NAVI mode:waveform10 OSD:waveform11
	6	1.58	OSD:waveform12
			NAVI mode:waveform13 OSD:waveform14
	7	2.48	H=OSD L=NAVI_RGB, AUX mode No-OSD:waveform2
			AUX mode OSD:waveform3
			NAVI mode OSD:waveform4,No-OSD:waveform5
	8	waveform15,16	NAVI mode:waveform17,18
	9	2.26	OSD:waveform19
	10	0	
	11	waveform20,21	NAVI mode:waveform22,23
	12	2.48	H=OSD L=NAVI_RGB, AUX mode No-OSD:waveform2
			AUX mode OSD:waveform3
			NAVI mode OSD:waveform4,No-OSD:waveform5
	13	8.32	
	14	2.3	OSD:waveform24
	15	0	
	16	waveform25,26	NAVI mode:waveform27,28
IC301	1	4.12	
	2	4.12	
	3	4.12	
	4	0	
	5	4.12	NAVI audio inpit (beep sound):waveform29
	6	4.12	NAVI audio inpit (beep sound):waveform30
	7	4.12	NAVI audio inpit (beep sound):waveform31
	8	8.32	
IC302-1	1	3.8	NAVI mode:waveform32
	2	4.36	NAVI audio inpit (beep sound):waveform33
	3	NC	
	4	4.36	NAVI audio inpit (beep sound):waveform33
	5	NC	
	6	NC	
	7	NC	
	8	waveform34	Gray scale No-input:3.82(V)
	9	waveform35	L,R No-input:4.36(V)
	10	NC	
	11	waveform36	L,R No-input:4.36(V)
	12	NC	
	13	NC	
	14	NC	
	15	waveform37	No-input:3.8(V)

Rer. No.	Pin No.	Voltage(V)	NOTE
IC302-2	16	4.36	L,R audio input (1khz 0.5Vrms):waveform38
	17	NC	
	18	4.36	L,R audio input(1khz 0.5Vrms):waveform39
	19	NC	
	20	NC	
	21	NC	
	22	3.8	NTSC VIDEO(Gray scale)input:waveform40
	23	4.36	L,R input:waveform41
	24	NC	
	25	4.36	L,R input:waveform42
	26	NC	
	≀		
	31		
	32	0	
	33	waveform43,44	
	34	waveform45,46	
	35	0	
	36	NC	
	37	NC	
	38	4.36	SP output or No-input, HEADPHONE output:waveform47
	39	NC	
	40	4.36	SP output or No-input, HEADPHONE output:waveform48
	41	NC	
	42	8.72	
	43	waveform49	NAVI mode:waveform50(beep sound),No-input:4.36(V)
	44	waveform51	NAVI mode:waveform52(beep sound),No-input:3.24(V)
	45	waveform53	NAVI mode:waveform54(beep sound),No-input:4.36(V)
	46	NC	
	≀		
	49		
	50	4.36	
	51	NC	
	52	waveform55	Audio output, HEADPHONE output:waveform56,No-input:4.36(V)
	53	waveform57	NAVI mode:waveform58,No-input:3.32(V)
	54	waveform59	Audio output, HEADPHONE output:waveform60,No-input:4.36(V)
	55	NC	
	56	NC	
	57	0	
	58	NC	
	≀		
	64		
IC303-1	1	1.66	SP output or Audio-MIN
			HEADPHONE out(Vol);MAX:waveform61,62 MIN:1.66(V),waveform63
	2	1.62	SP output or Audio-MIN
			HEADPHONE out(Vol);MAX:waveform64,65 MIN:1.66(V),waveform66
	3	1.64	
	4	0	
	5	1.64	MAX, MIN:1.36(V)
	6	1.64	SP output or Audio-MIN
			HEADPHONE out(Vol);MAX:waveform67,68 MIN:1.66(V),waveform69

Rer. No.	Pin No.	Voltage(V)	NOTE
IC303-2	7	1.66	SP output or Audio-MIN HEADPHONE out(Vol);MAX:waveform61,62 MIN:1.66(V),waveform63
	8	3.32	
IC304	1	waveform70	No-input or HEADPHONE output:1.66(V)
	2	waveform71,72	No-input or HEADPHONE output:1.66(V)
	3	1.64	
	4	0	
	5	1.64	Vol MAX,MIN:1.36(V)
	6	waveform73,74	No-input or HEADPHONE output:1.62(V)
	7	waveform70	No-input or HEADPHONE output:1.66(V)
	8	3.28	
IC305	1	4.12	Input:waveform75
	2	4.12	Input: waveform76
	3	4.12	Input: waveform77
	4	0	
	5	4.12	Input: waveform78
	6	4.12	Input: waveform79
	7	4.12	Input: waveform80
	8	8.32	
IC306	1	4.12	Input: waveform81
	2	4.12	Input: waveform82
	3	4.12	Input: waveform83
	4	8.32	
	5	4.12	Input: waveform84
	6	4.12	Input: waveform85
	7	4.12	Input: waveform86
	8	waveform87	No-input:4.12(V)
	9	waveform88	No-input:4.12(V)
	10	waveform89	No-input:4.12(V)
	11	0	
	12	waveform90	No-input:4.12(V)
	13	waveform91	No-input:4.12(V)
	14	waveform92	No-input:4.12(V)
IC307	1	2.18	SP output, Headhone output:waveform93
	2	waveform94,95	Headhone output:8.24(V)
	3	2.18	Headhone output:waveform96, No-input:2.18(V)
	4	1.64	
	5	640.0(mV)	Headhone output:waveform97,98 No-input(Vol-0):640(mV)
	6	0	Headhone output:waveform99 No-input(Vol-0):0(V)
	7	0	Headhone output:waveform100 No-input(Vol-0):0(V)
	8	624.0(mV)	Headhone output:waveform101,102 No-input(Vol-0):624(mV)
IC308	1	NC	
	2	0	
	3	waveform103	No-input:0(V)
	4	0	
	5	waveform104	VOL MIN:3.92(V)(Headhone out, No-input)
	6	waveform105,106	VOL MIN:8.24(V)(Headhone out, No-input)
	7	waveform107,108	VOL MIN:4(V)(Headhone out, No-input)
	8	NC	

Rer. No.	Pin No.	Voltage(V)	NOTE
IC400-1	1	NC	
	2	NC	
	3	3.36	DIMMER Low(MIN):waveform109 High("16"):waveform110
	4	NC	
	5	3.36	BACK/REMOUT3 terminal"H":0(V)
	6	0	AUX1 mode NAVI Remote control operation:waveform111
			NAVI mode:3.28(V),NAVI Remote control operation:waveform112
	7	NC	
	8	3.36	Stand-by:3.36(V)
	9	3.28	Remote control operation:waveform113
			Except for AUX1 mode:0(V),Remote control operation:waveform114
	10	0	Except for AUX2 mode,Remote control operation:waveform115
			AUX2 mode:3.32(V),Remote control operation:waveform116
	11	0	A back camera mode is contained.
			Except for AUX3 mode;Remote control operation:waveform117
			AUX3 mode:3.32(V),Remote control operation:waveform118
	12	NC	
	13	0	ZOOM:3.36(V),CINEMA:0(V),NORMAL:3.36(V)
	14	0	ZOOM:3.36(V),CINEMA:3.36(V),NORMAL:0(V)
	15	NC	
	16	NC	
	17	2.96	bright, dark:440(mV)
	18	NC	
	19	NC	
	20	0	PAL 3.36(V)
	21	0	SW Europe:3.36(V)
	22	NC	
	23	NC	
	24	2.88	Remote control operation:waveform119
	25	0	
	26	waveform120	
	27	waveform121	
	28	3.36	Stand-by:3.36(V)
	29	NC	
	30	waveform122	
	31	NC	
	32	waveform123	
	33	NC	
	34	NC	
	35	3.26	Power On:waveform124
	36	NC	
	37	waveform125	
	38	NC	
	39	3.32	Power On:waveform126
	40	0	RGB NAVI:3.36(V)
	41	0	OSD waveform127
	42	0	OSD waveform128
	43	0	OSD waveform129
	44	0	OSD waveform130

Rer. No.	Pin No.	Voltage(V)	NOTE
IC400-2	45	NC	
	46	0	
	47	NC	
	48	NC	
	49	waveform131	No-image:waveform132, NAVI mode:waveform133 PAL input:waveform134
	50	NC	
	51	NC	
	52	0	NAVI No-connection:3.36(V), NAVI mode:waveform135
	53	0	NAVI No-connection:3.36(V), NAVI Power On:waveform136
	54	3.12	Audio interrupt:waveform137 Polarity switching SW "Europe":0(V)
	55	3.36	Running compulsion:0(V)
	56	3.4	Running compulsion:0(V)
	57	0	Running compulsion:3.4(V)
	58	3.36	Stand-by:3.36(V)
	59	3.36	Stand-by:3.36(V)
	60	1.66	Vol"15":waveform138, "Min":0(V), Vol"29":waveform139
	61	waveform140	BRIGHT"MAX":waveform141, "MIN":2.86(V)
	62	waveform142	COLOR"MAX":waveform143, "MIN":2.86(V)
	63	NC	
	64	waveform144	TINT"GREEN MAX":waveform145, "RED MAX":2.86(V)
IC401	1	0	
	2	0	
	3	0	
	4	0	
	5	waveform146	
	6	waveform147	
	7	0	
	8	3.36	
IC402	1	NC	
	2	2.48	Power ON:waveform148
	3	NC	
	4	0	
	5	1.28	Power ON:waveform149
	6	3.32	Power ON:waveform126
	7	3.36	Stand-by:3.36(V)
	8	NC	
IC403	1	0	NAVI mode:0(V), OSD:waveform150
	2	0	NAVI mode:3.28(V)
	3	0	
	4	0	OSD:waveform151, NAVI mode:3.4(V) OSD:waveform152
	5	3.36	Stand-by:3.36(V)
IC404	1	0	NAVI mode:0(V), OSD:waveform150
	2	3.4	NAVI mode:0(V)
	3	0	
	4	3.36	OSD:waveform153,NAVI mode:3.4(V) OSD:waveform154
	5	3.36	Stand-by:3.36(V)

Rer. No.	Pin No.	Voltage(V)	NOTE
IC405	1	NC	
	2	waveform155,156	
	3	0	
	4	waveform157	
	5	3.36	Stand-by:3.36(V)
IC406	1	0	OSD:waveform158,159,160
	2	3.4	OSD:waveform161
	3	3.4	OSD:waveform162
	4	0	OSD:waveform163
	5	0	OSD:waveform164,165,166
	6	3.4	OSD:waveform167
	7	0	
	8	0	OSD:waveform168
	9	3.4	OSD:waveform169
	10	0	OSD:waveform170
	11	3.4	OSD:waveform171
	12	3.4	OSD:waveform172
	13	0	OSD:waveform173,174,175
	14	3.36	Stand-by:3.36(V)
IC500	1	15.86	Vin=14.4(V) 14.2(V) Vin=10(V) 9.8(V)
	2	0	
	3	5.01	Vin=14.4(V) 5.01(V) Vin=10(V) 5.01(V)
IC501	1	5.01	Vin=14.4(V) 5.01(V) Vin=10(V) 5.01(V)
	2	3.36	Stand-by:3.36(V)
	3	0	
IC502	1	0	
	2	2.49	Vin=14.4(V) 2.49(V) Vin=10(V) 2.49(V)
	3	1.042	Vin=14.4(V) 1.042(V) Vin=10(V) 1.043(V)
	4	waveform176	Vin=14.4(V) waveform177 Vin=10(V) waveform178
	5	2.51	Vin=14.4(V) 2.51(V) Vin=10(V) 2.5(V)
	6	waveform179,180	Vin=14.4(V) waveform181,182 Vin=10(V) waveform183,184
	7	2.49	Vin=14.4(V) 2.49(V) Vin=10(V) 2.49(V)
	8	0	
	9	waveform185	Vin=14.4(V) waveform186 Vin=10(V) waveform187
	10	15.86	Vin=14.4(V) 14.2(V) Vin=10(V) 9.8(V)
	11	15.73	Vin=14.4(V) 14.1(V) Vin=10(V) 9.7(V)
	12	1.87	Vin=14.4(V) 1.87(V) Vin=10(V) 1.87(V)
	13	1.88	Vin=14.4(V) 1.88(V) Vin=10(V) 1.88(V)
			Power_On Vin=16(V):waveform188, Vin=14.4(V):waveform189
			Power_On Vin=10(V) waveform190
	14	1.61	Vin=14.4(V) 1.61(V) Vin=10(V) 1.61(V)
	15	—	
	16	2.49	Vin=14.4(V) 2.49(V) Vin=10(V) 2.49(V)
IC503	1	8.73	Vin=14.4(V) 8.72(V) Vin=10(V) 8.65(V)
	2	0	
	3	4.98	Vin=14.4(V) 4.98(V) Vin=10(V) 4.98(V)
IC504	1	8.73	Vin=14.4(V) 8.72(V) Vin=10(V) 8.65(V)
	2	0	
	3	8.32	

Rer. No.	Pin No.	Voltage(V)	NOTE
Q300	B	4.18	No-NAVI:0(V), NAVI Power On:waveform191
	C	0	
	E	0	
Q301	1	0	For Europe, Audio interrupt:waveform192
	2	3.12	For North America, Audio interrupt:waveform193
	3	0	Audio interrupt For Europe:waveform194,For North America:waveform195
	4	0	
	5	3.12	For North America, Audio interrupt:waveform193
Q302	B	waveform196,197	NAVI No-connection:5.04(V)
	E	waveform198	NAVI No-connection:5.04(V)
	C	4.98	Vin=14.4(V) 4.98(V) Vin=10(V) 4.98(V)
Q303	B	waveform199	LOUT2(auxout_L_)
	E	waveform200,201	
	C	4.98	Vin=14.4(V) 4.98(V) Vin=10(V) 4.98(V)
Q304	B	waveform202,203	Power On:waveform204
	E	waveform105,106	VOL MIN:8.24(V)(Headhone output, No-input)
	C	waveform107,108	VOL MIN:4(V)(Headhone output, No-input)
Q305	B	0	Power On:waveform205
	E	0	
	C	waveform202,203	Power On:waveform204
Q306	B	3.26	Power On:waveform124
	E	0	
	C	0	Power On:waveform206
Q307	B	0	Power On:waveform206
	E	0	
	C	1.66	Vol Min 1.38(V) waveform207
Q308	B	waveform208	
	E	waveform209	
	C	waveform210,211	
Q309	B	waveform212	
	E	waveform213	
	C	waveform214,215	
Q310	B	waveform216	
	E	waveform217	
	C	waveform218,219	
Q311	B	waveform210,211	
	E	waveform220	
	C	waveform221,222	
Q312	B	waveform214,215	
	E	waveform223	
	C	waveform224,225	
Q313	B	waveform218,219	
	E	waveform226	
	C	waveform227,228	
Q314	B	waveform229	
	E	waveform230,231	
	C	4.98	Vin=14.4(V) 4.98(V) Vin=10(V) 4.98(V)

Rer. No.	Pin No.	Voltage(V)	NOTE
Q315	B	waveform232	
	E	waveform233,234	
	C	4.98	Vin=14.4(V) 4.98(V) Vin=10(V) 4.98(V)
Q316	B	waveform235	
	E	waveform236,237	
	C	4.98	Vin=14.4(V) 4.98(V) Vin=10(V) 4.98(V)
Q317	B	0	Power On:waveform206
	E	0	
	C	1.64	Vol Min:1.36(V)
			Power On:waveform238, Power Off:waveform239
Q400	B	waveform240	No-input:2.02(V)
	E	waveform241,242	No-input:1.34(V)
	C	4.98	Vin=14.4(V) 4.98(V) Vin=10(V) 4.98(V)
Q401	B	1.58	OSD:waveform243, NAVI mode:waveform244
	E	920.0(mV)	OSD:waveform245, NAVI mode:waveform246
	C	4.24	OSD:waveform247,248 NAVI mode:waveform249,250
Q402	B	1.58	OSD:waveform251, NAVI mode:waveform252,253
	E	920.0(mV)	OSD:waveform254, NAVI mode:waveform255
	C	4.24	OSD:waveform256,257 NAVI mode:waveform258
Q403	B	1.56	OSD:waveform259, NAVI mode:waveform260
	E	900.0(mV)	OSD:waveform261, NAVI mode:waveform262
	C	4.28	OSD:waveform263,264 NAVI mode:waveform265,266
Q404	B	0	PAL:3.36(V)
	E	0	
	C	3.12	RED MAX:2.2(V), GREEN MAX:4.12(V), PAL:0(V)
Q405	B	3.36	DIMMER Low(MIN):waveform109, High("16"):waveform110
	E	0	
	C	0	DIMMER "29":waveform267, "LOW":waveform268,269
Q406	1	5.08	NAVI mode Remote control operation:waveform270
	2	0	NAVI mode Remote control operation:waveform271
	3	waveform272	NAVI modee Remote control operation:waveform273,274
			Except for NAVI mode Remote control operation:waveform275
	4	0	
	5	0	NAVI mode Remote control operation:waveform271
Q407	1	5.08	Remote control operation:waveform276
	2	0	Remote control operation:waveform277,278
			Except for AUX1 mode Remote control operation:waveform279
	3	waveform272	NAVI mode Remote control operation:waveform273,274
			Except for NAVI mode Remote control operation:waveform275
	4	0	
	5	0	Remote control operation:waveform277,278
			Except for AUX1 mode; Remote control operation:waveform279
Q408	1	5.08	AUX2 mode Remote control operation:waveform280
	2	0	AUX2 mode Remote control operation:waveform282,283
			Except for AUX2 mode Remote control operation:waveform281
	3	waveform272	NAVI mode Remote control operation:waveform273,274
			Except for NAVI mode Remote control operation:waveform275
	4	0	
	5	0	AUX2 mode Remote control operation:waveform282,283
			Except for AUX2 mode Remote control operation:waveform281

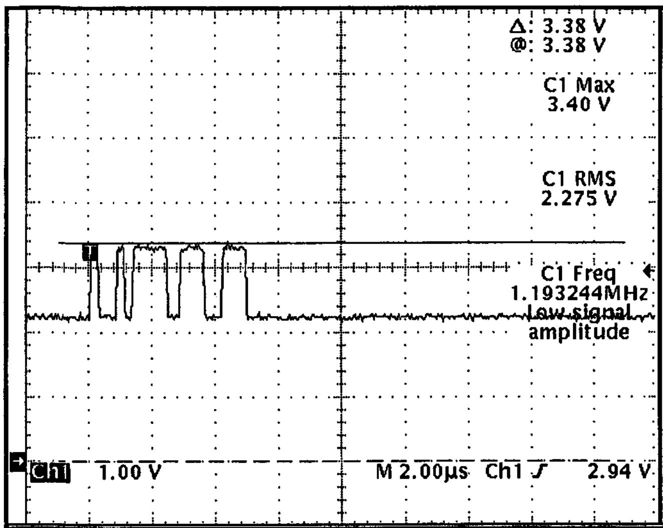
Rer. No.	Pin No.	Voltage(V)	NOTE
Q409	1	4.88	Except for NAVI mode Remote control operation:waveform284
			Back camera active:5.6(V)
	2	0	AUX3 mode Remote control operation:waveform285,286
			Back camera active:0(V)
			Back camera active Remote control operation:waveform287
			Except for AUX3 mode Remote control operation:waveform288
	3	waveform272	NAVI mode Remote control operation:waveform273,274
			Except for NAVI mode Remote control operation: waveform275
	4	0	
	5	0	AUX3 mode Remote control operation:waveform285,286
			Back camera active:0(V)
			Back camera active Remote control operation: waveform287
			Except for AUX3 mode Remote control operation: waveform288
Q410	B	0	Back camera mode:8.56(V),Back camera switchover:waveform289
			Back camera mode; Back camera release:waveform290
	E	0	
	C	3.36	BACK/REMOUT3 terminal"H":0(V)
Q411	B	168.0(mV)	Running compulsion:588(mV)
	E	0	
	C	3.4	Running compulsion:0(V)
Q412	B	176.0(mV)	Running compulsion:584(mV)
	E	0	
	C	3.36	Running compulsion:0(V)
Q413	B	5.12	No-NAVI:0(V)
	E	0	
	C	0	
Q414	B	0	OSD:waveform291, NAVI mode:3.36(V)
	E	0	OSD:waveform292, NAVI mode:2.68(V)
	C	5.08	OSD:waveform293,294
			NAVI mode:3.88(V), Running compulsion:waveform295
Q415	B	0	Power On:waveform296
	E	0	
	C	3.34	
Q416	B	waveform57	NAVI mode:waveform58, No-input:3.32(V)
	E	waveform297,298	
	C	8.32	
Q418	B	0	NAVI mode:3.28(V)
	E	0	
	C	3.4	NAVI mode:0(V)
Q419	B	waveform299	OSD:waveform300,301
			Running compulsion:waveform302,303
	E	0	
	C	0	OSD:waveform304, Running compulsion:waveform305
Q420	B	waveform140	BRIGHT"MAX":waveform141, "MIN":2.86(V)
	E	0	
	C	waveform306,307	BRIGHT"MAX":waveform308, "MIN":0(V), "-14":waveform309

Rer. No.	Pin No.	Voltage(V)	NOTE
Q421	1	waveform310, 311	TINT"GREEN MAX":waveform312, "RED MAX":0(V) "R14":waveform313
	2	waveform314, 315	COLOR"MAX":waveform316, "MIN":0(V), "-14":waveform317
	3	waveform142	COLOR"MAX":waveform143, "MIN":2.86(V)
	4	0	
	5	waveform144	TINT"GREEN MAX":waveform145, "RED MAX":2.86(V)
Q500	B	8.4	Running compulsion:0(V)
	E	0	
	C	0	Running compulsion:3.4(V)
Q501	B	550.0(mV)	Vin=14.4(V) 0.551(V) Vin=10(V) 0.554(V)
	E	0	
	C	23.9(mV)	Vin=14.4(V) 23.9(mV) Vin=10(V) 24.2(mV)
Q502	B	0	
	E	0	
	C	waveform318, 319	Vin=14.4(V) waveform320, 321 Vin=10.0(V) waveform322
Q503	B	waveform323, 324	Vin=14.4(V) waveform325, 326 Vin=10.0(V) waveform327
	E	waveform328, 329	Vin=14.4(V) waveform330, 331 Vin=10.0(V) waveform332, 333
	C	waveform334	Vin=14.4(V) waveform335 Vin=10.0(V) waveform336
Q504	G	waveform334	Vin=14.4(V) waveform335 Vin=10.0(V) waveform336
	S	15.88	Vin=14.4(V) 14.2(V) Vin=10.0(V) 9.72(V)
	D	waveform337	Vin=14.4(V) waveform338 Vin=10.0(V) waveform339

[Measuring Conditions]

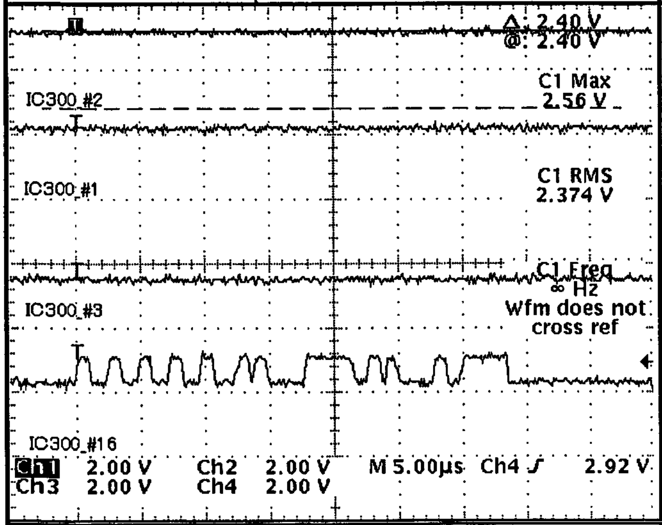
・Power Supply Voltage : DC16V
・Measuring Meter : Digital Multi Meter
・Measuring Point Reference : Between GND
・Measuring Conditions : Moniter Unit Connection
・AUX INPUT 1 : VIDEO : NTSC Gray Scale
: AUDIO : R/L ch : 1KHz 0.5Vrms
・AUX INPUT 2 : VIDEO : PAL Color Bar
・AUX OUTPUT : No-Connection, MODE…LINK
・NAVIGATION INPUT : RGB Navigation System
・BRIGHT : MID
・COLOR : MID
・TINT : MID
・DIMMER : HIGH
・Display output : AUX1 WIDE mode
・Audio output : SP output, Vol Max
・OSD condition : Mode change
・NAVI diaplay condition : Opening display
・Key operation : AUX/MODE key
・Remote control operation : MODE key

※ As for others condition, it is mentioned every time in MODE.

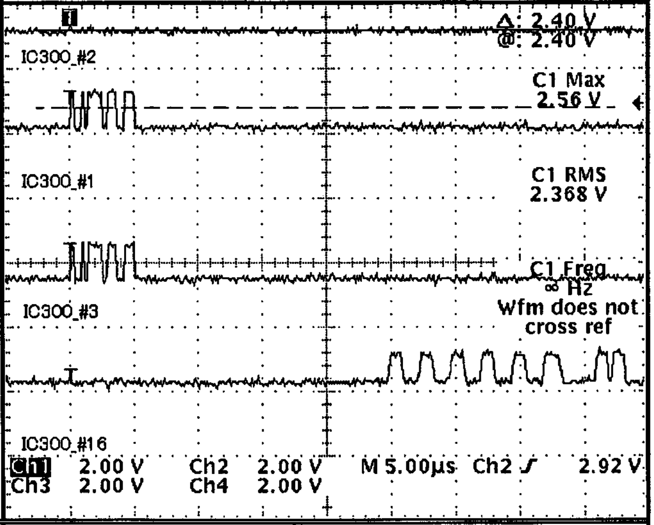


IC300 · 1 Pin		
No.1	Volt/Div=	V/Div
DC · ~~AC~~	Time/Div=	S/Div

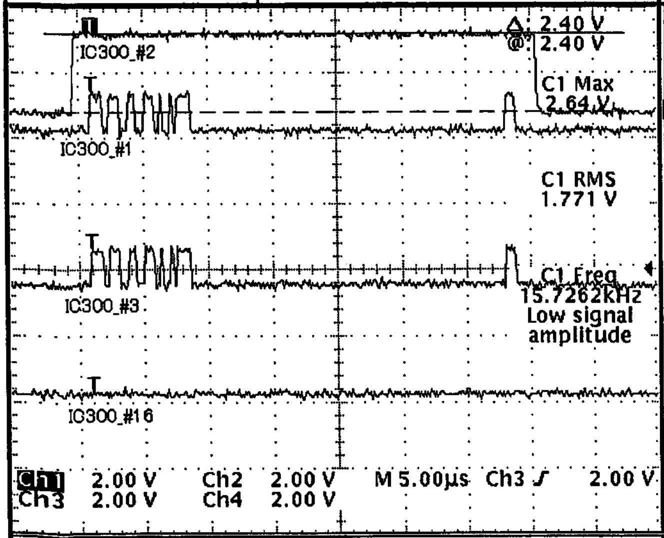
IC300 · 2 Pin		
No.	Volt/Div=	V/Div
DC · ~~AC~~	Time/Div=	S/Div



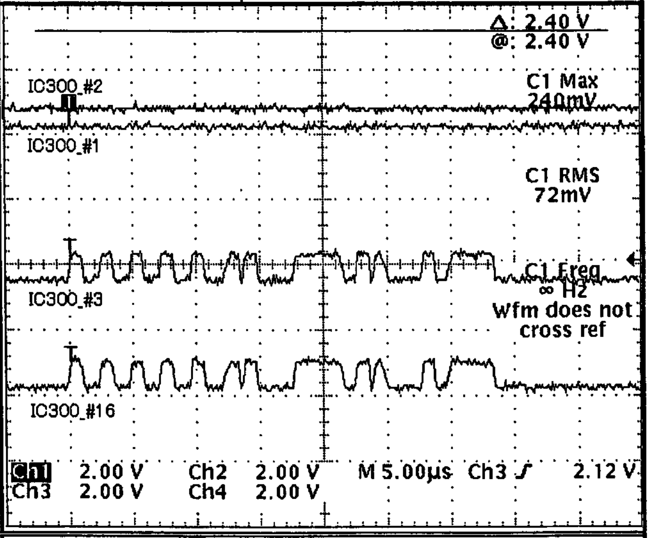
IC300 · 2 Pin		
No.2	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



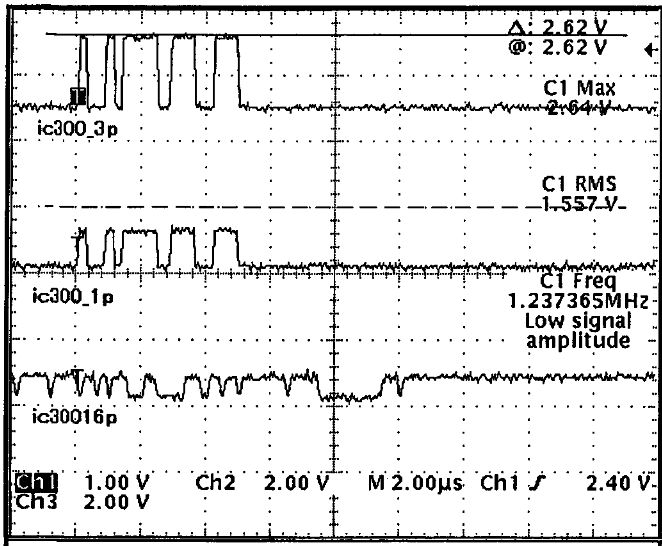
IC300 · 2 Pin		
No.3	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



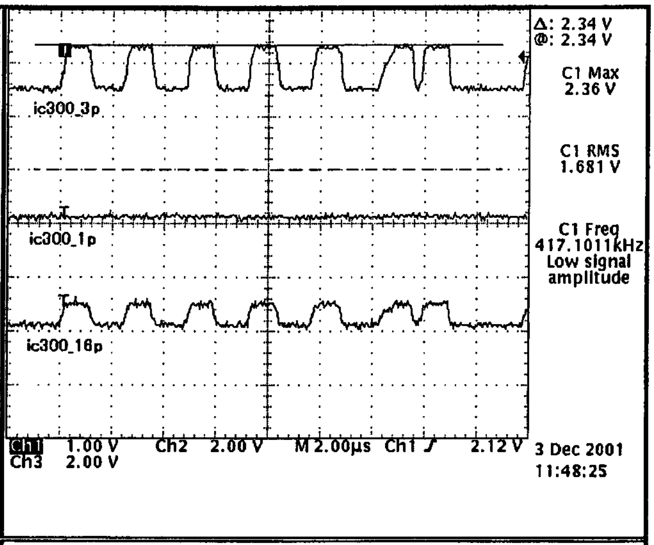
IC300 · 2 Pin		
No.4	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



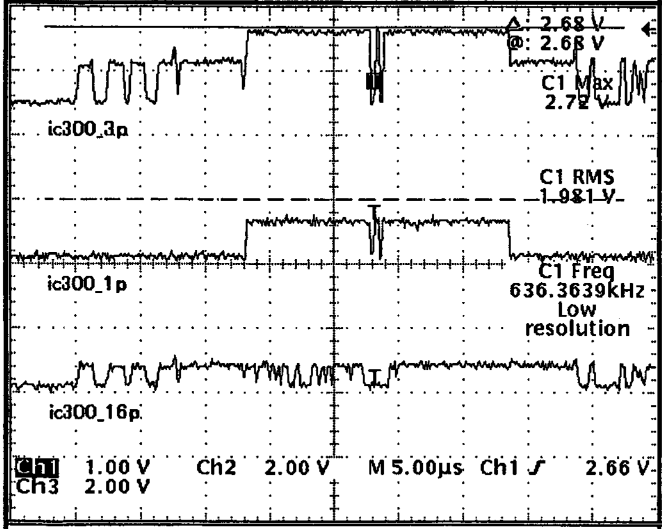
IC300 · 2Pin		
No.5	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



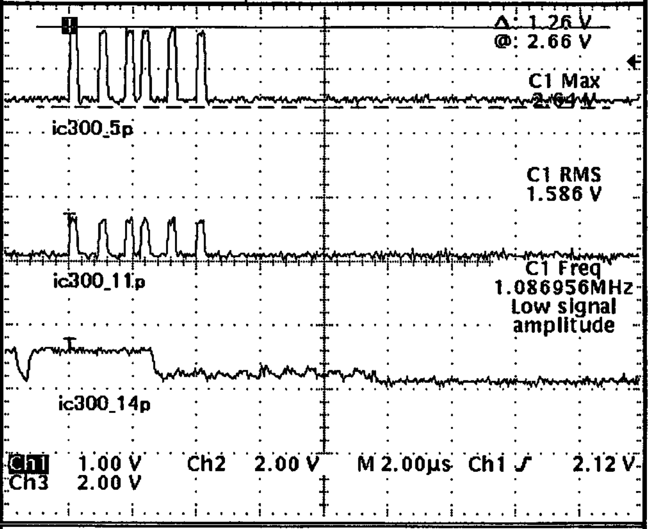
IC300 -	3 Pin	
No.6	Volt/Div=	V/Div
DC・AC	Time/Div=	S/Div



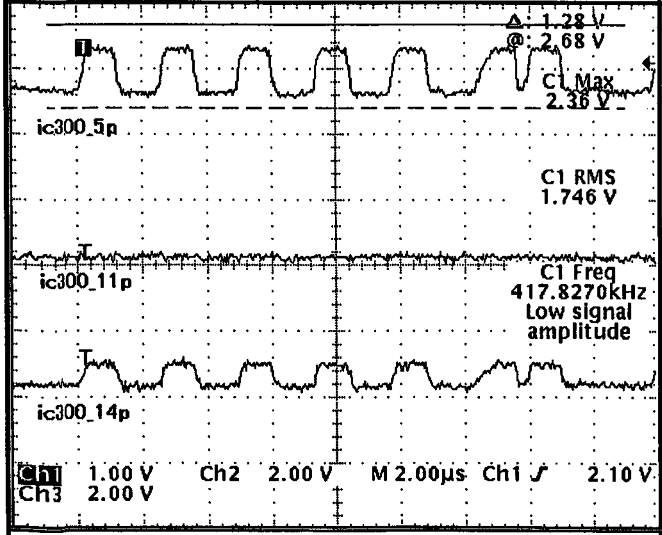
IC300 -	3Pin	
No.7	Volt/Div=	V/Div
DC・AC	Time/Div=	S/Div



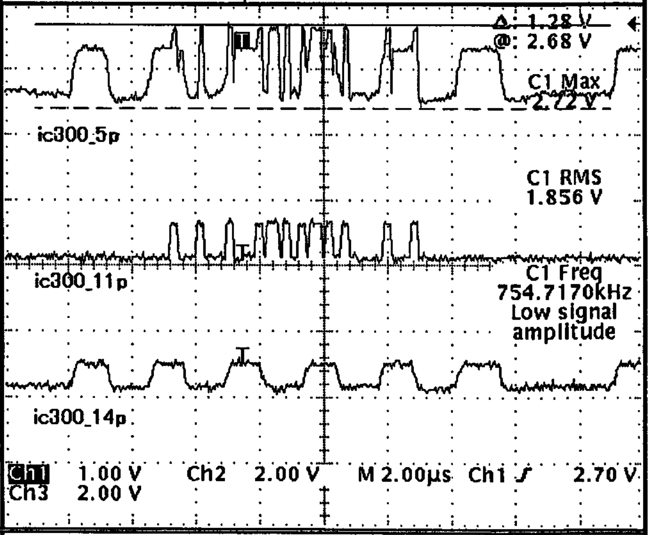
IC300 -	3 Pin	
No.8	Volt/Div=	V/Div
DC・AC	Time/Div=	S/Div



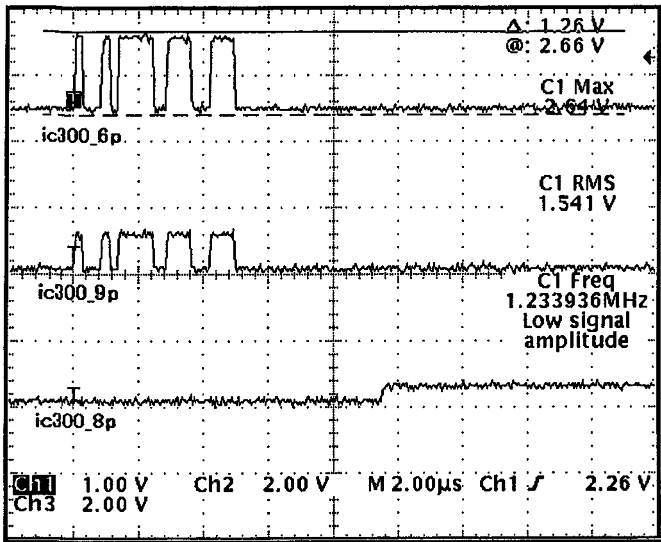
IC300 -	5 Pin	
No.9	Volt/Div=	V/Div
DC・AC	Time/Div=	S/Div



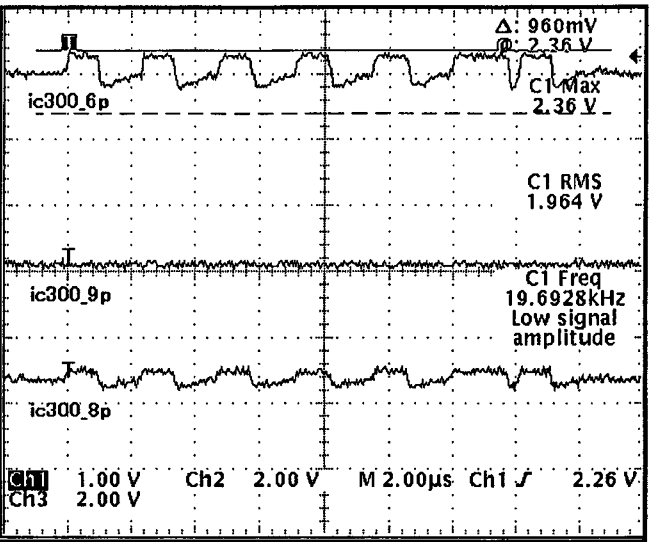
IC300 -	5Pin	
No.10	Volt/Div=	V/Div
DC・AC	Time/Div=	S/Div



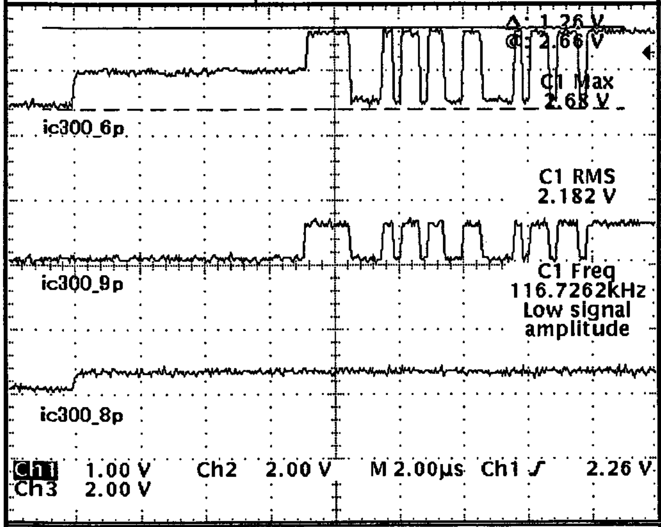
IC300 -	5Pin	
No.11	Volt/Div=	V/Div
DC・AC	Time/Div=	S/Div



IC300	·	6 Pin
No.12	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div

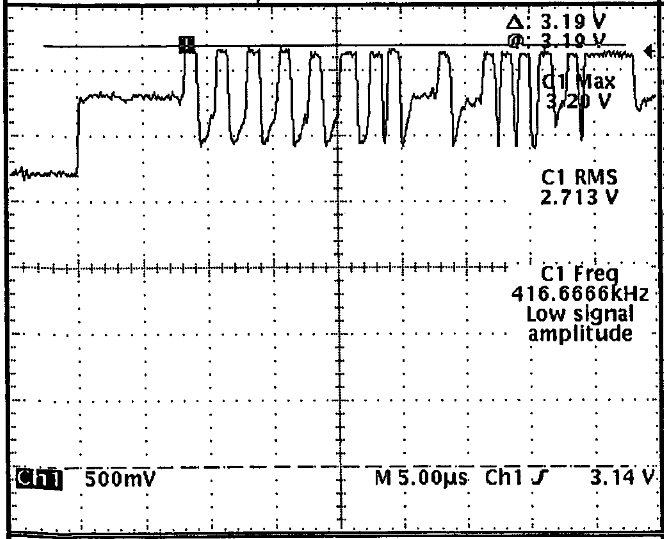


IC300	·	6 Pin
No.13	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div

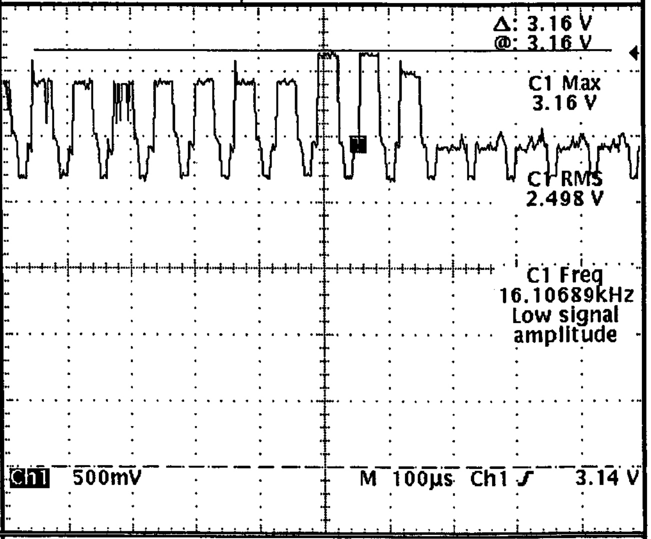


IC300	·	6 Pin
No.14	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div

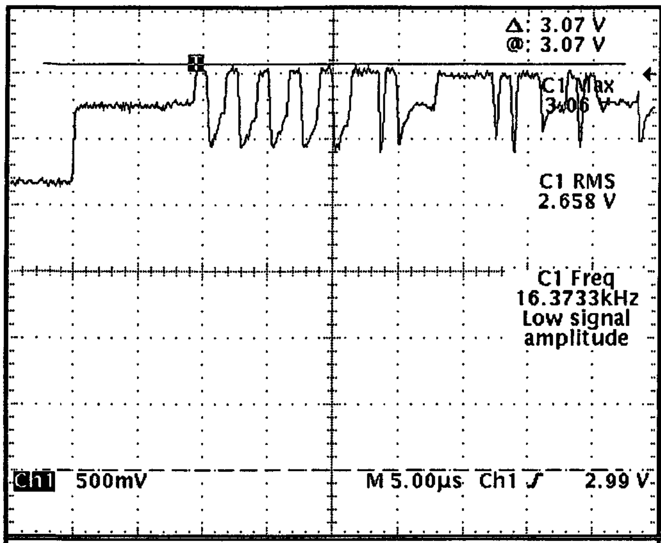
IC	·	Pin
No.	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



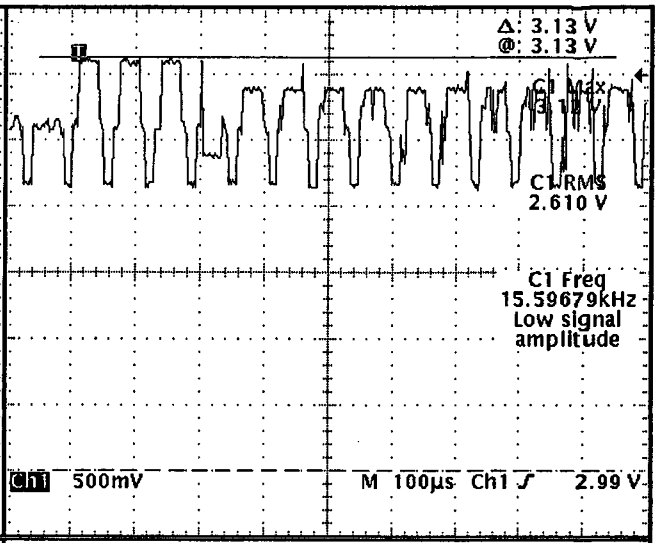
IC300	·	8 Pin
No.15	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



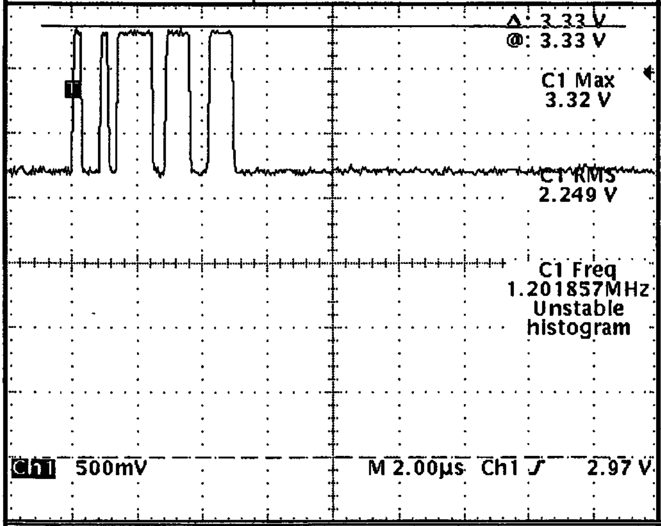
IC300	·	8 Pin
No.16	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



IC300 ·	8 Pin	
No.17	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div

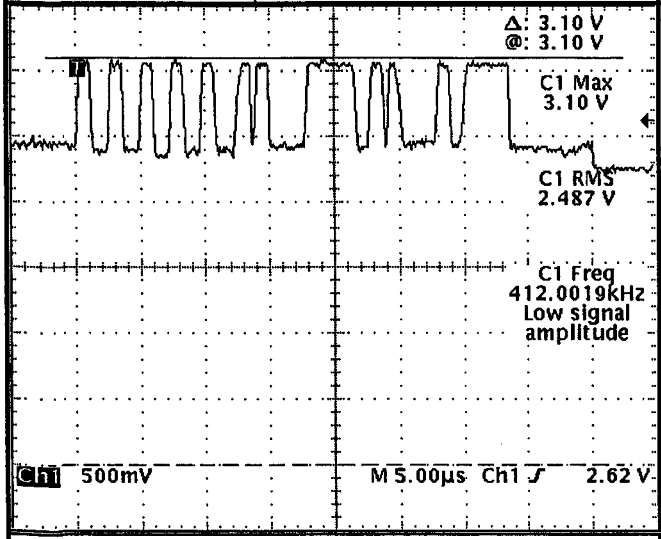


IC300 ·	8 Pin	
No.18	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div

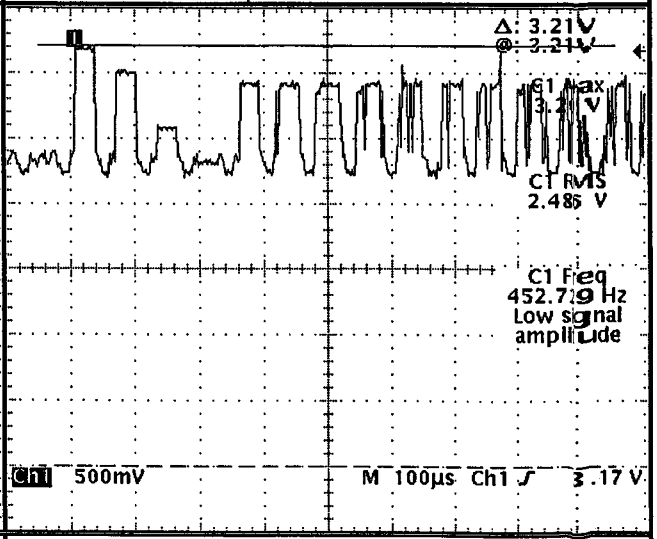


IC300 ·	9 Pin	
No.19	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div

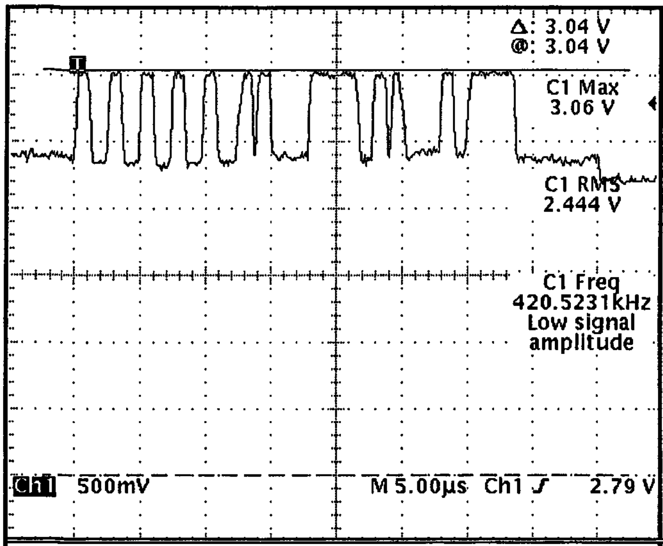
IC ·	Pin	
No.	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



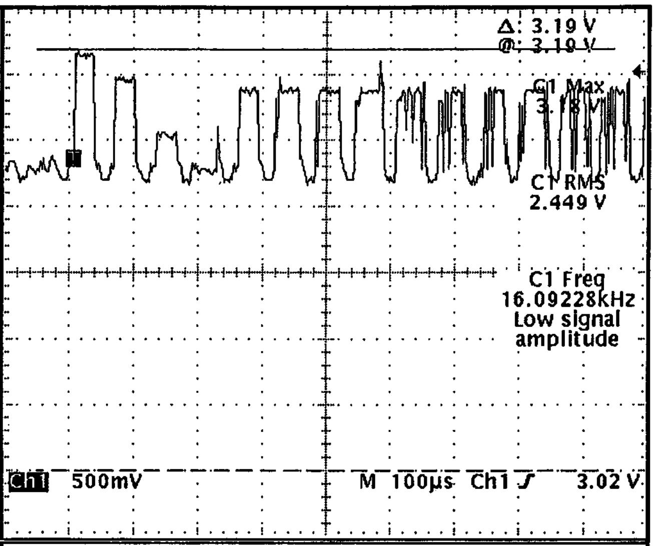
IC300 ·	11 Pin	
No.20	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



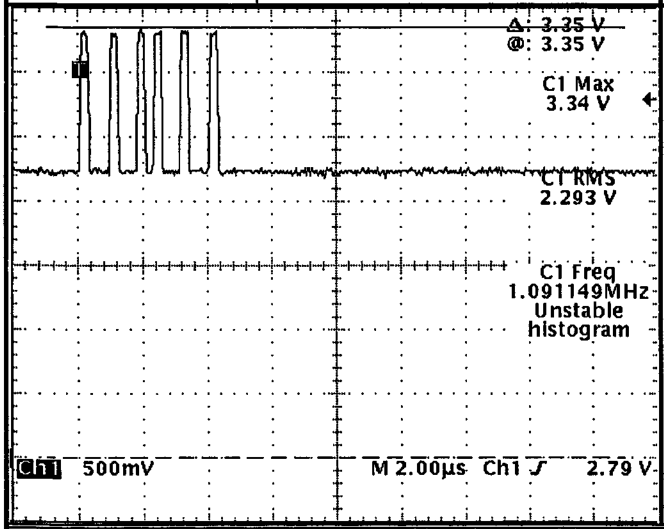
IC300 ·	11 Pin	
No.21	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



IC300 ·	11 Pin	
No.22	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div

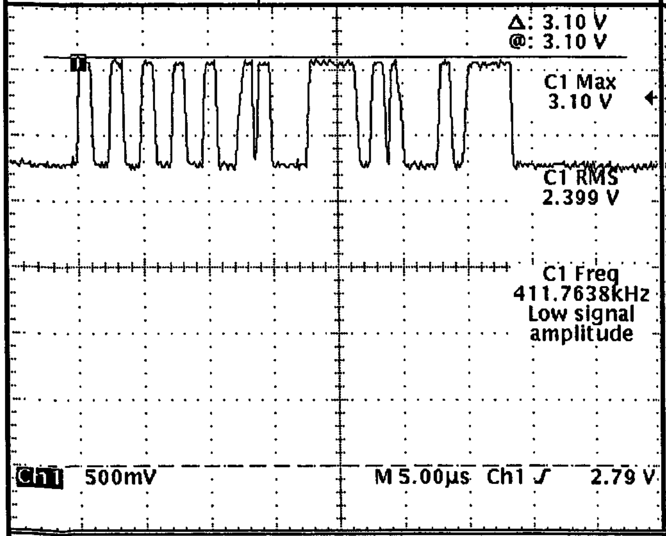


IC300 ·	11 Pin	
No.23	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div

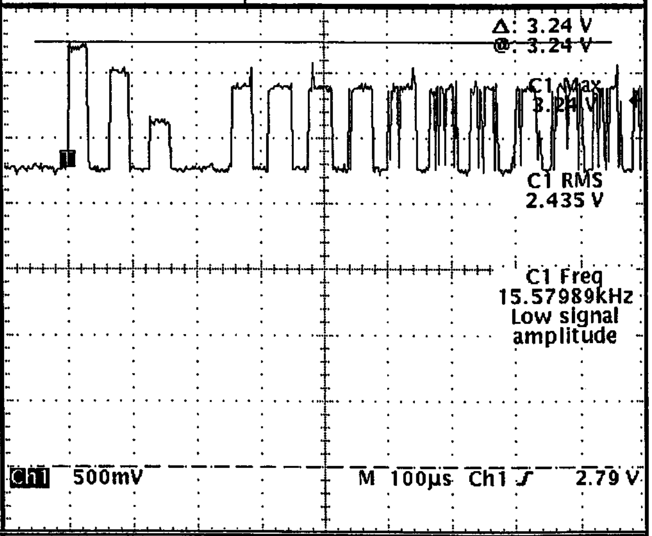


IC300 ·	14 Pin	
No.24	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div

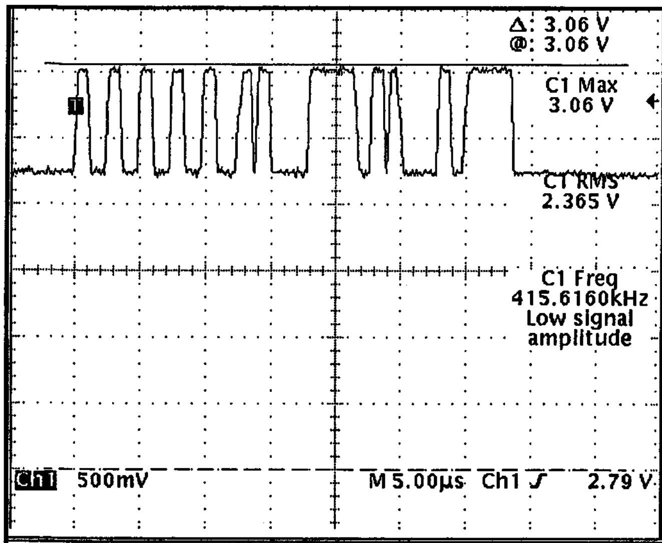
IC ·	Pin	
No.	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



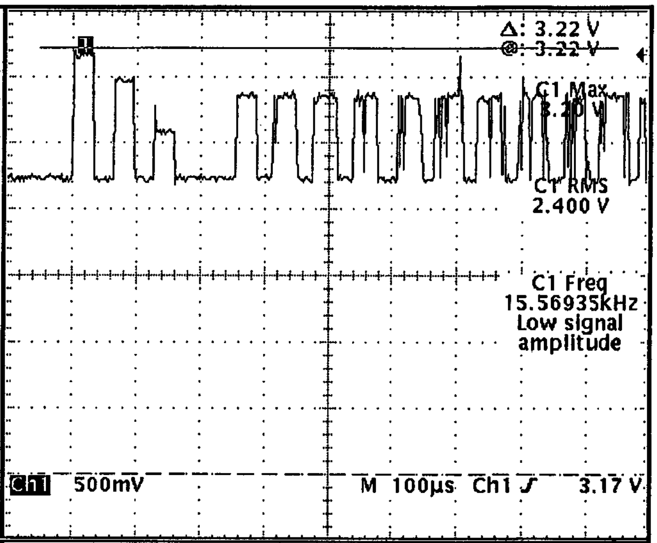
IC300 ·	16 Pin	
No.25	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



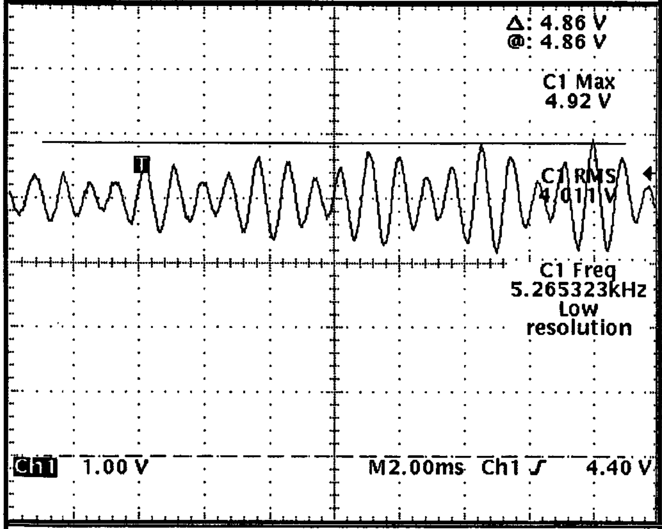
IC300 ·	16 Pin	
No.26	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



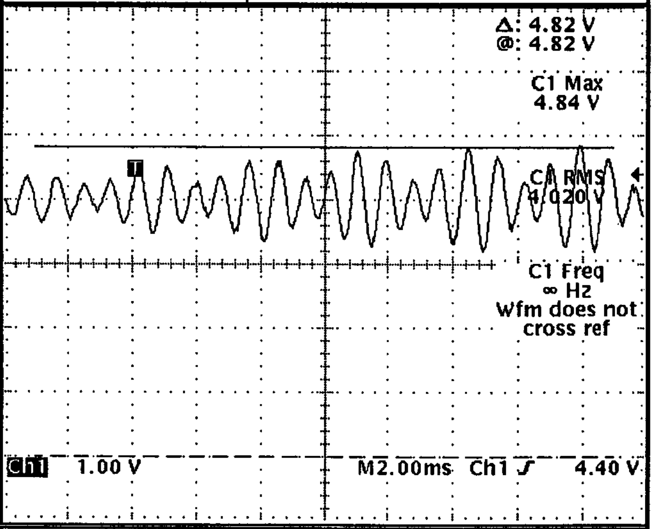
IC300 ·	16 Pin	
No.27	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



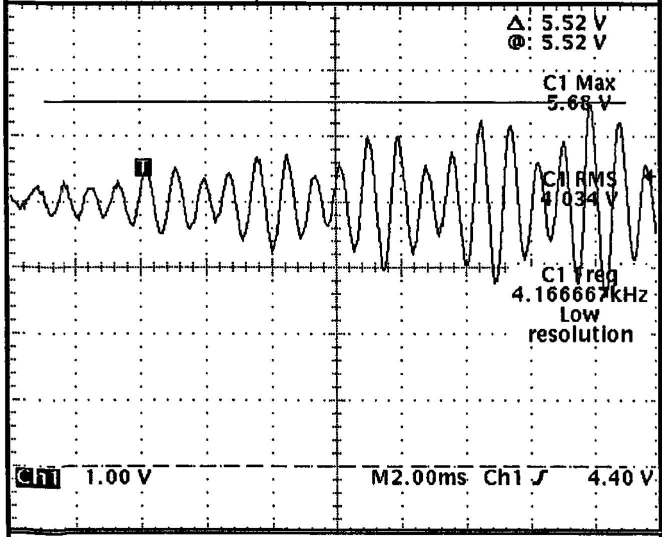
IC300 ·	16 Pin	
No.28	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



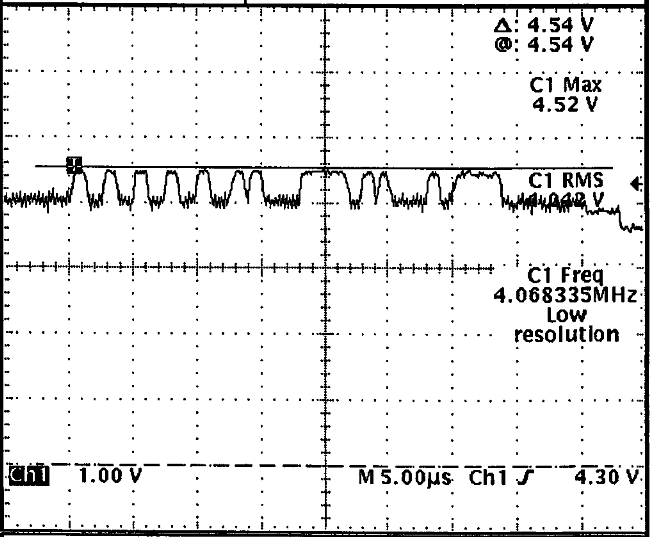
IC301 ·	5 Pin	
No.29	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



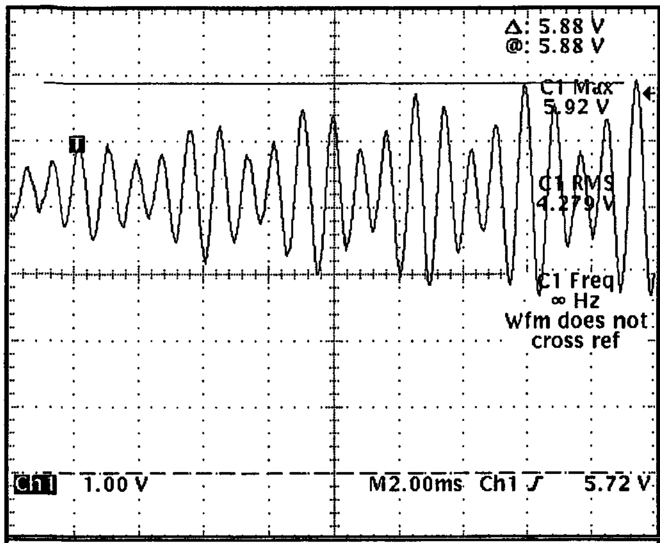
IC301 ·	6 Pin	
No.30	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



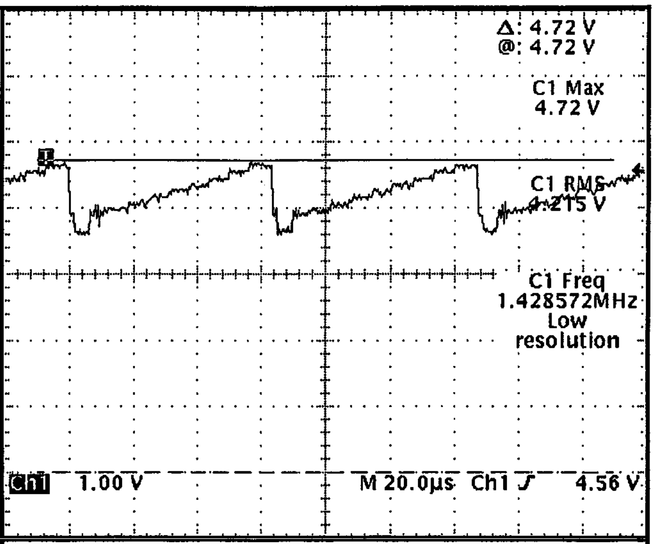
IC301 ·	7 Pin	
No.31	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



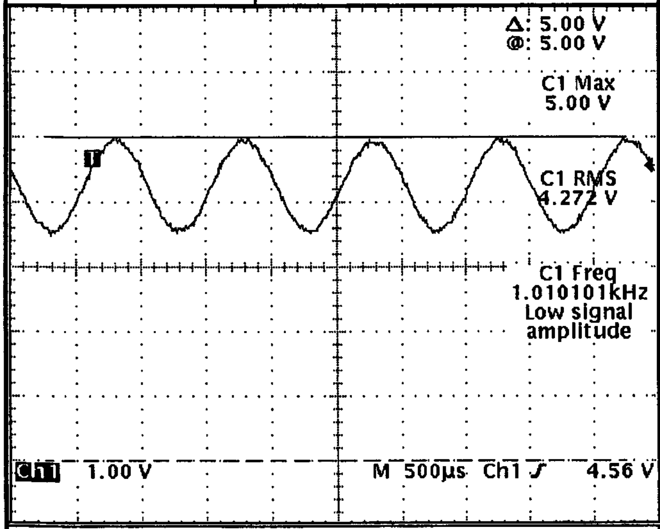
IC302 ·	1Pin	
No.32	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



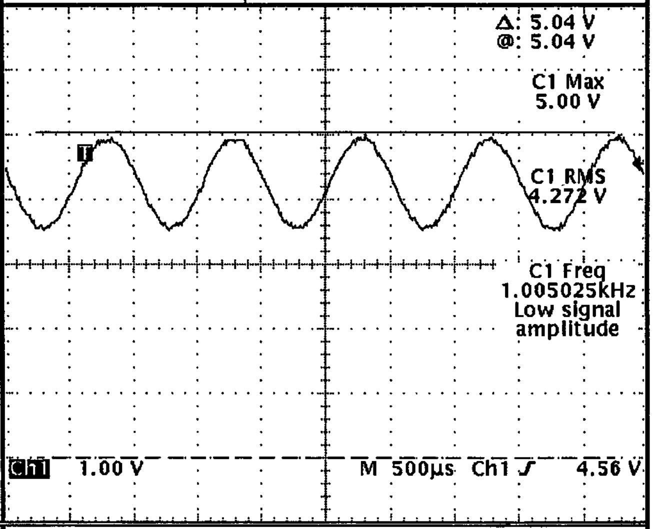
IC302	·	2 Pin
No.33	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



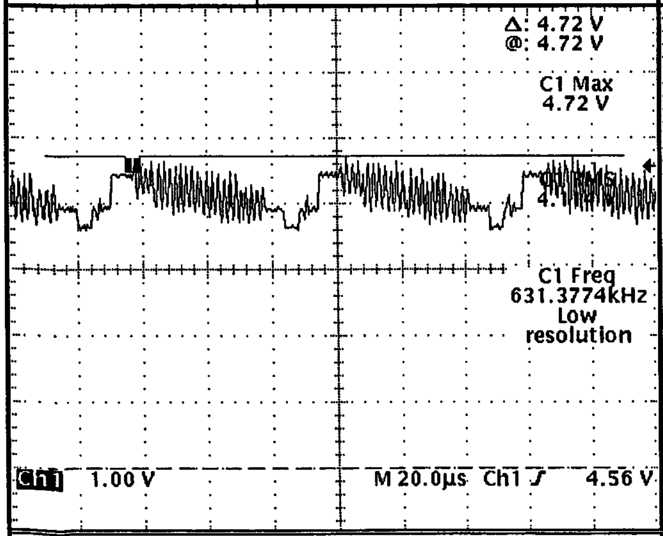
IC302	·	8 Pin
No.34	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



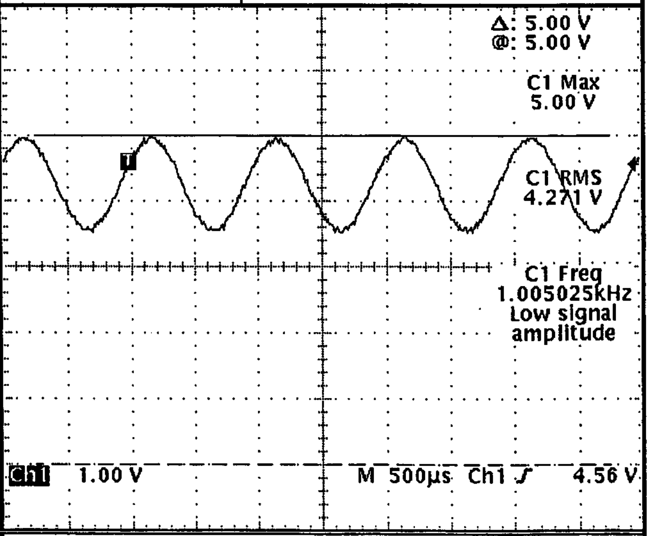
IC302	·	9 Pin
No.35	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



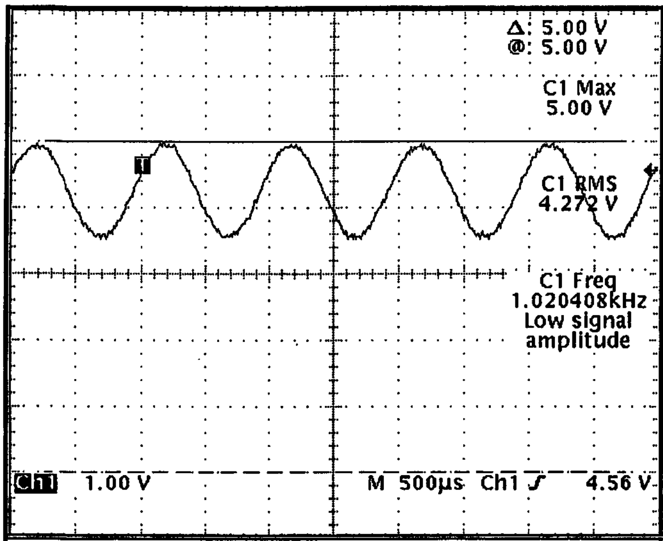
IC302	·	11 Pin
No.36	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



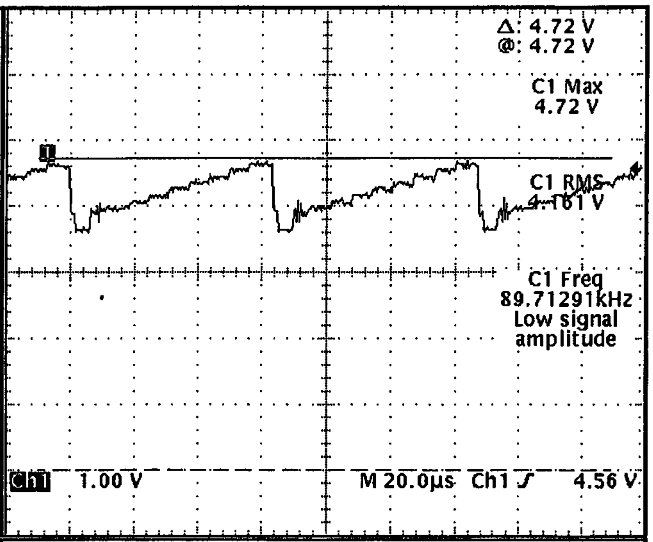
IC302	·	15 Pin
No.37	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



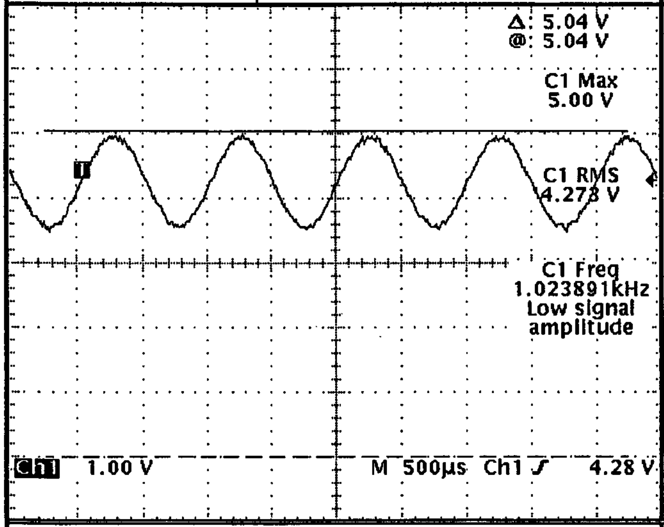
IC302	·	16 Pin
No.38	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



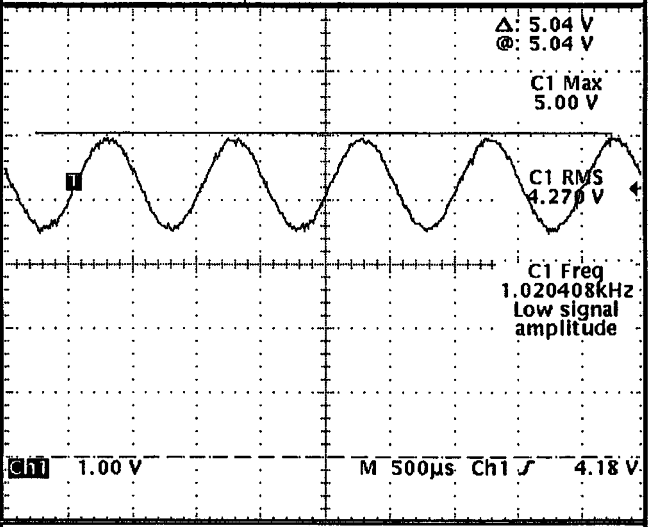
IC302	18 Pin	
No.39	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



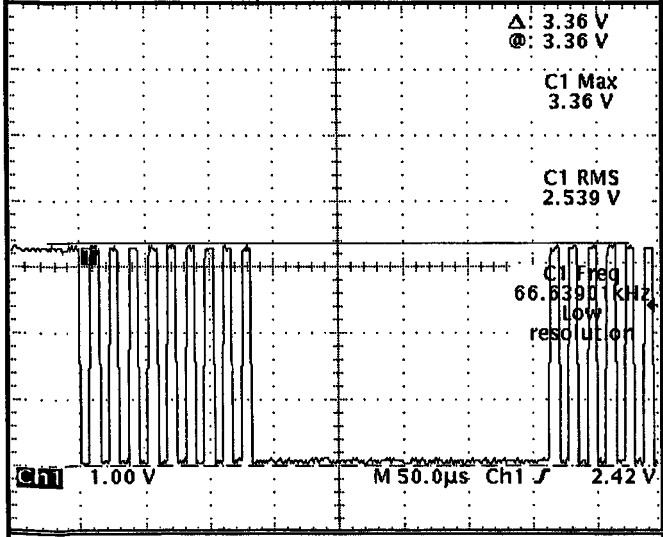
IC302	22 Pin	
No.40	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



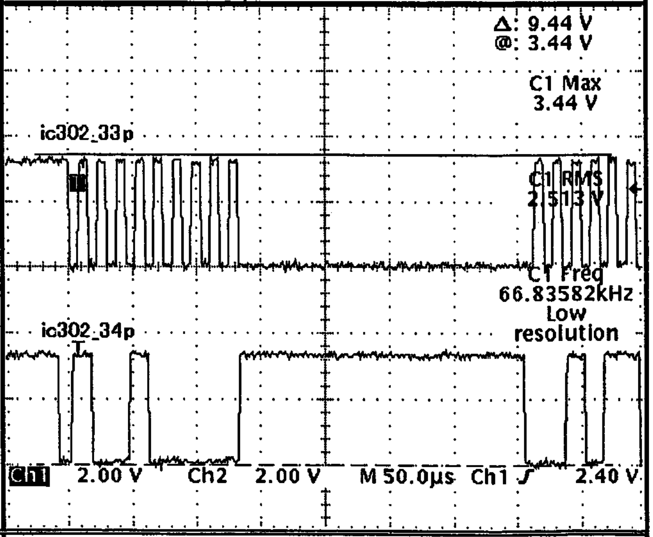
IC302	23 Pin	
No.41	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



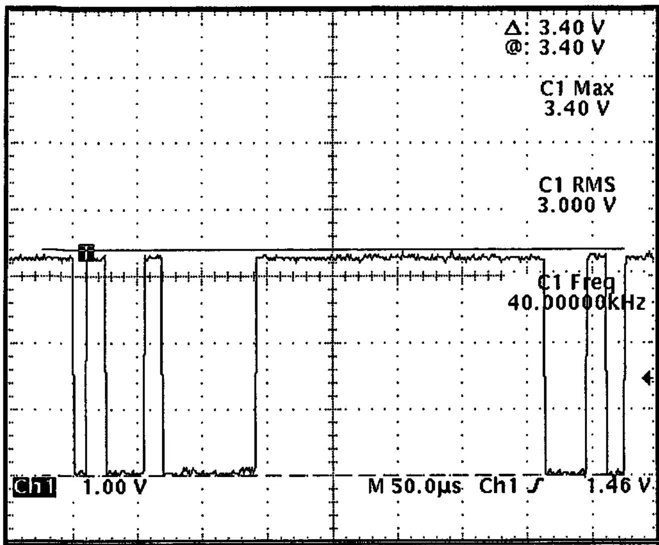
IC302	25 Pin	
No.42	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



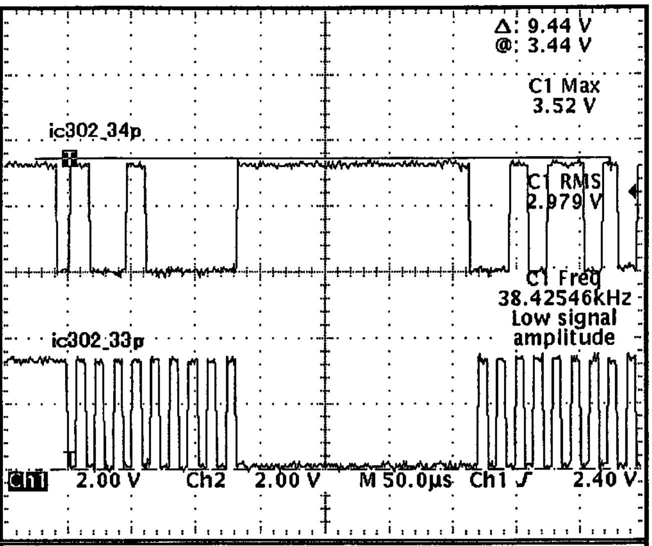
IC302	33 Pin	
No.43	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



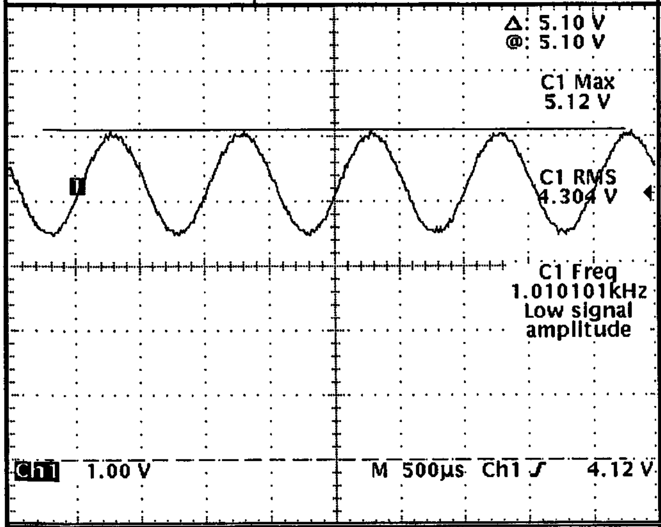
IC302	33 Pin	
No.44	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



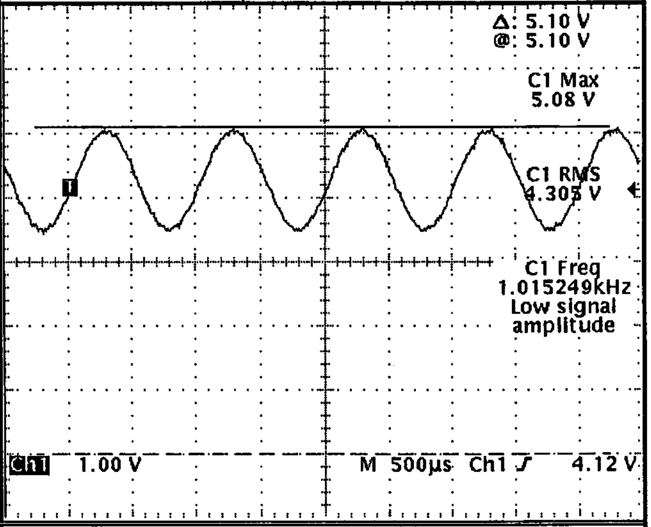
IC302 -	34 Pin	
No.45	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



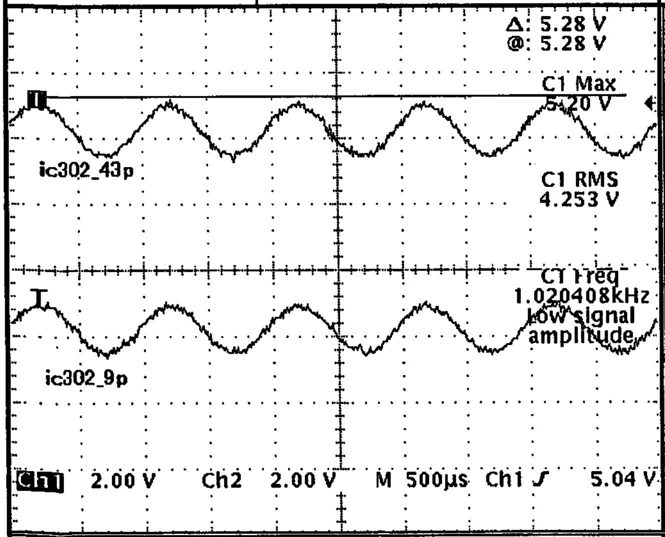
IC302 -	34 Pin	
No.46	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



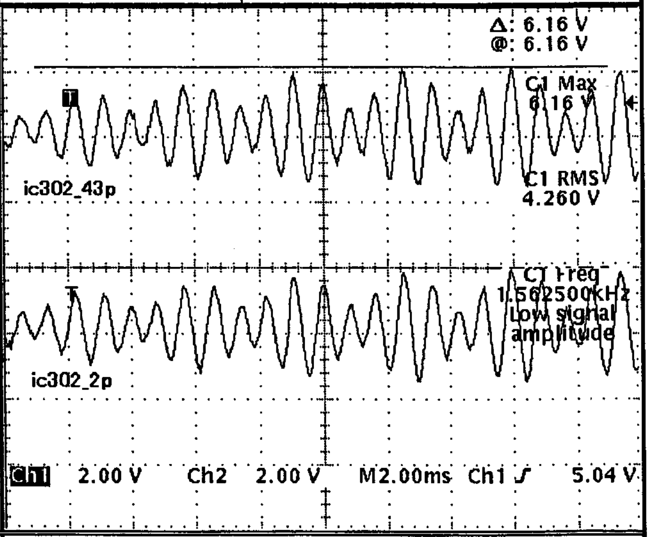
IC302 -	38 Pin	
No.47	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



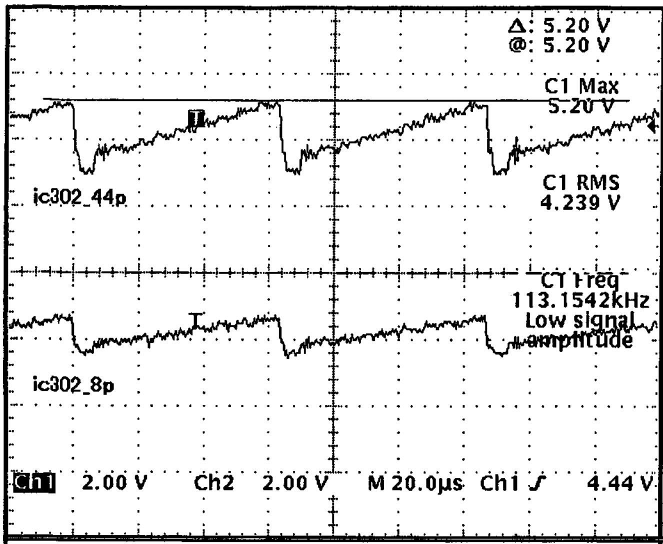
IC302 -	40 Pin	
No.48	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



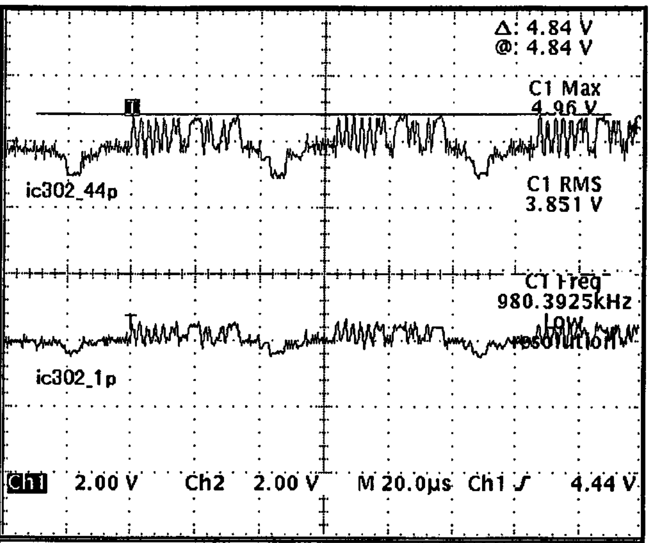
IC302 -	43 Pin	
No.49	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



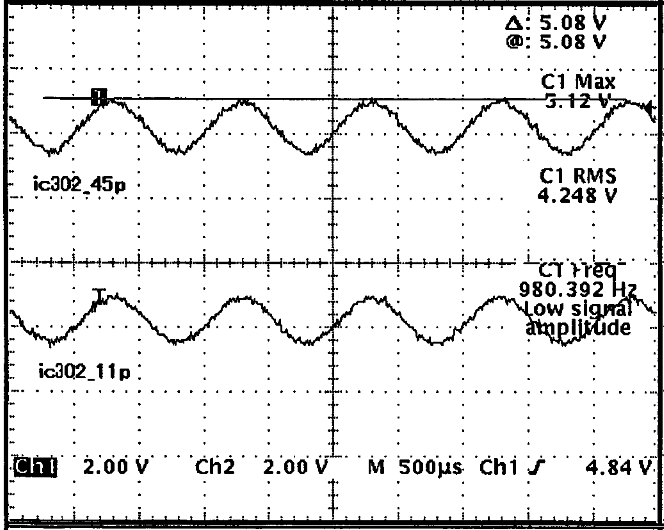
IC302 -	43 Pin	
No.50	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



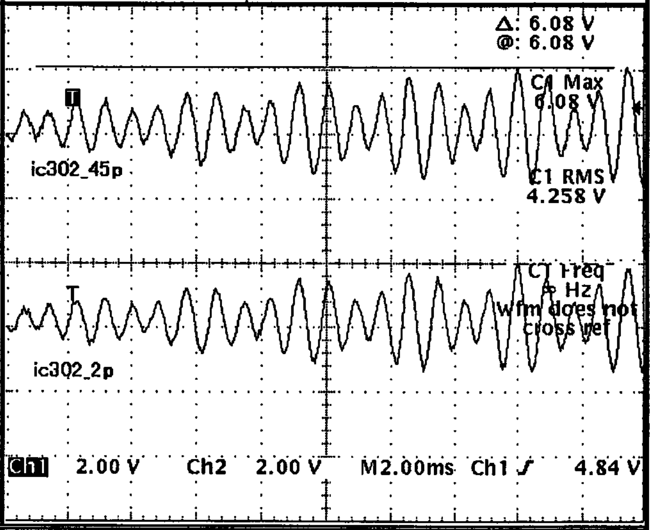
IC302 · 44 Pin		
No.51	Volt/Div=	V/Div
DC・AC	Time/Div=	S/Div



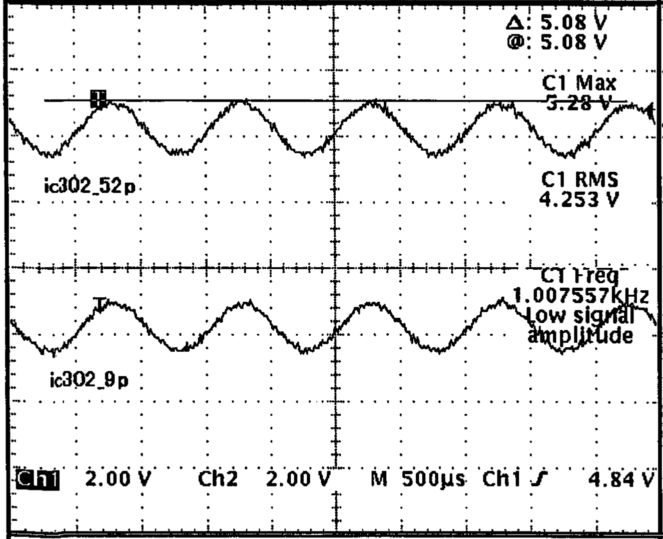
IC302 · 44 Pin		
No.52	Volt/Div=	V/Div
DC・AC	Time/Div=	S/Div



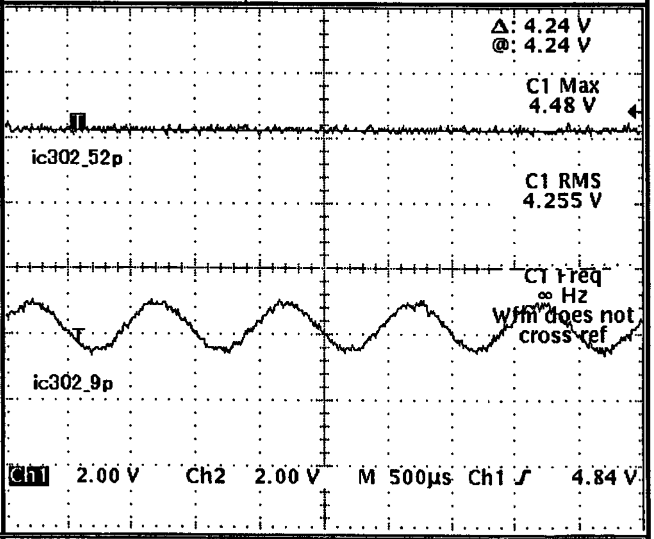
IC302 · 45 Pin		
No.53	Volt/Div=	V/Div
DC・AC	Time/Div=	S/Div



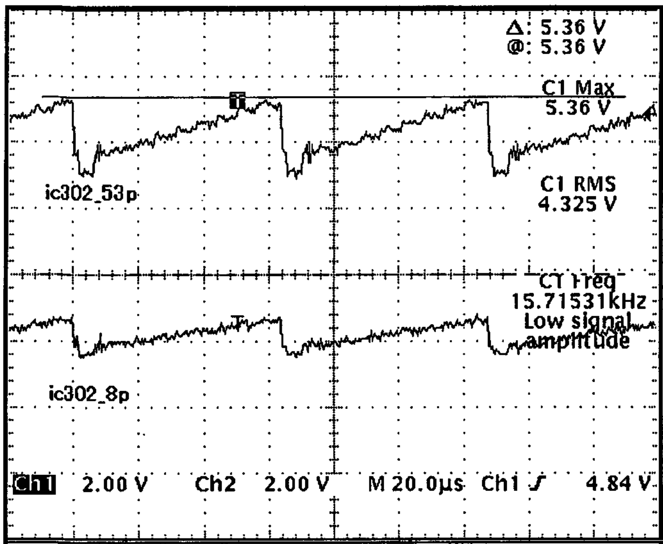
IC302 · 45 Pin		
No.54	Volt/Div=	V/Div
DC・AC	Time/Div=	S/Div



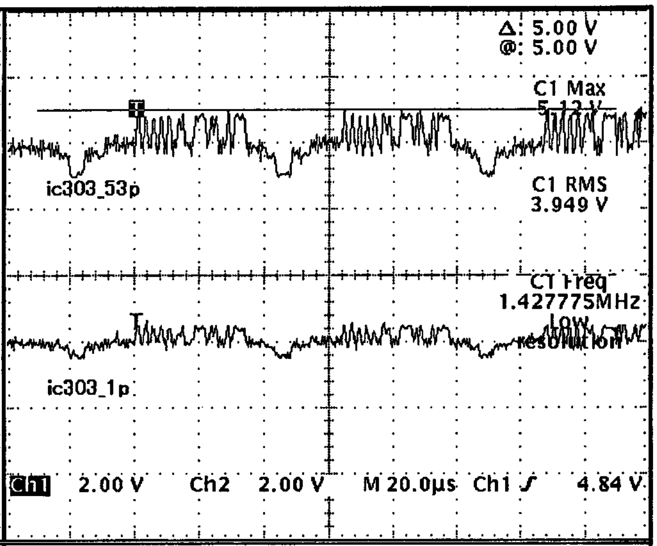
IC302 · 52 Pin		
No.55	Volt/Div=	V/Div
DC・AC	Time/Div=	S/Div



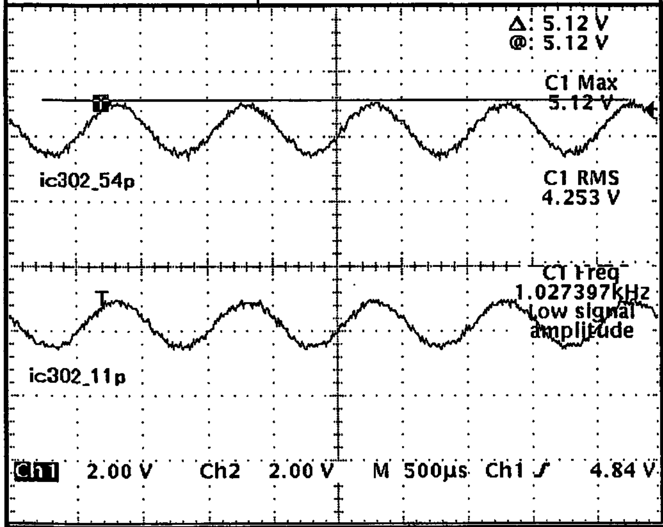
IC302 · 52 Pin		
No.56	Volt/Div=	V/Div
DC・AC	Time/Div=	S/Div



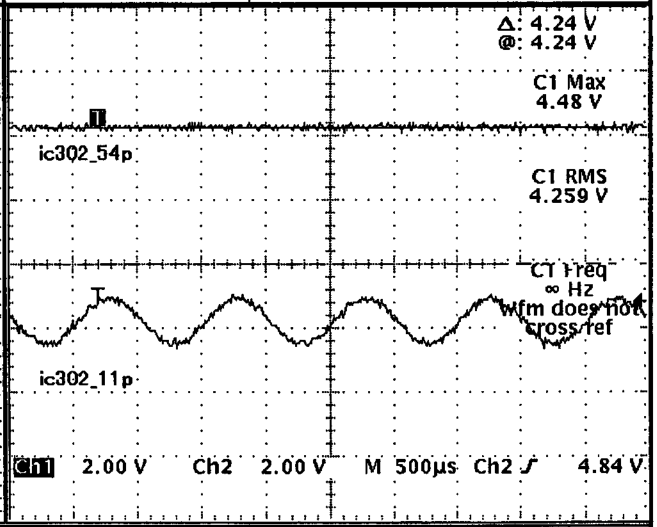
IC302 ·	53 Pin
No.57	Volt/Div= V/Div
DC · AC	Time/Div= S/Div



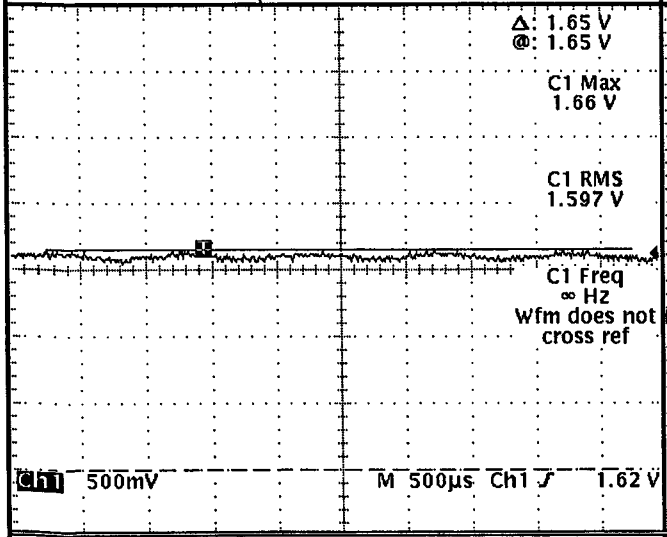
IC 302 ·	53 Pin
No.58	Volt/Div= V/Div
DC · AC	Time/Div= S/Div



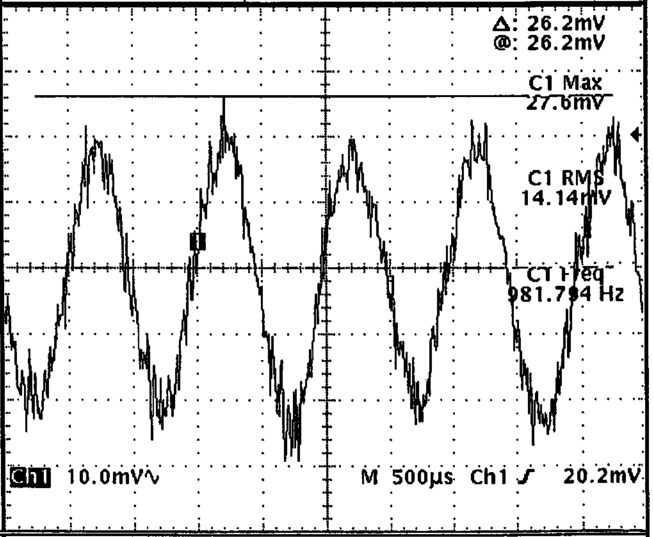
IC302 ·	54 Pin
No.59	Volt/Div= V/Div
DC · AC	Time/Div= S/Div



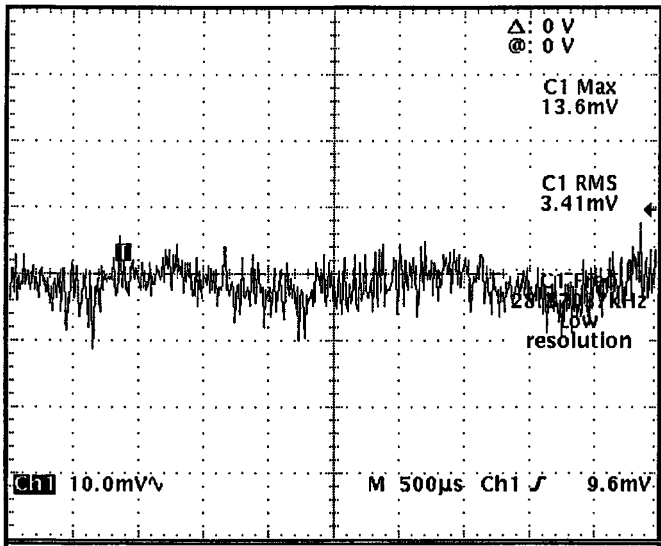
IC302 ·	54 Pin
No.60	Volt/Div= V/Div
DC · AC	Time/Div= S/Div



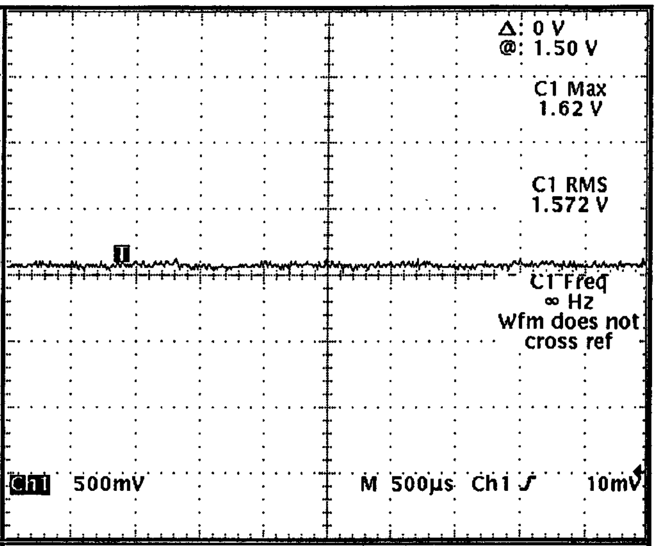
IC303 ·	1 Pin
No.61	Volt/Div= V/Div
DC · AC	Time/Div= S/Div



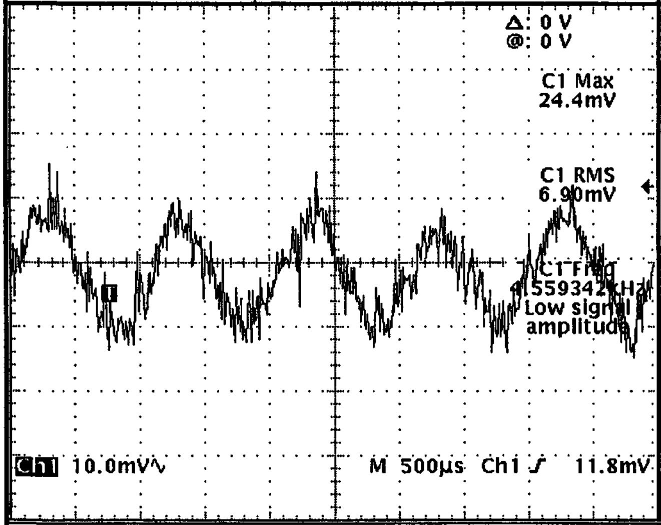
IC303 ·	1 Pin
No.62	Volt/Div= V/Div
DC · AC	Time/Div= S/Div



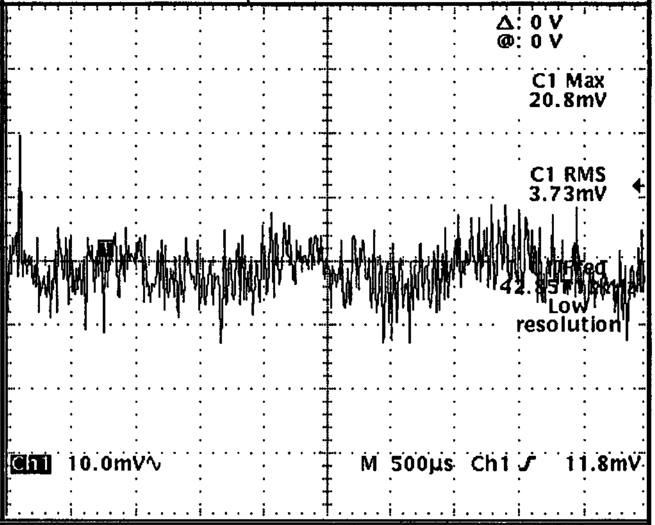
IC303 ·	1 Pin	
No.63	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



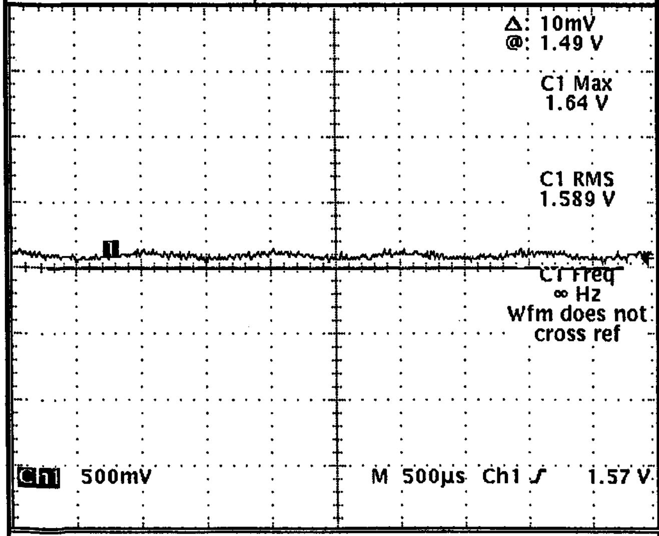
IC303 ·	2 Pin	
No.64	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



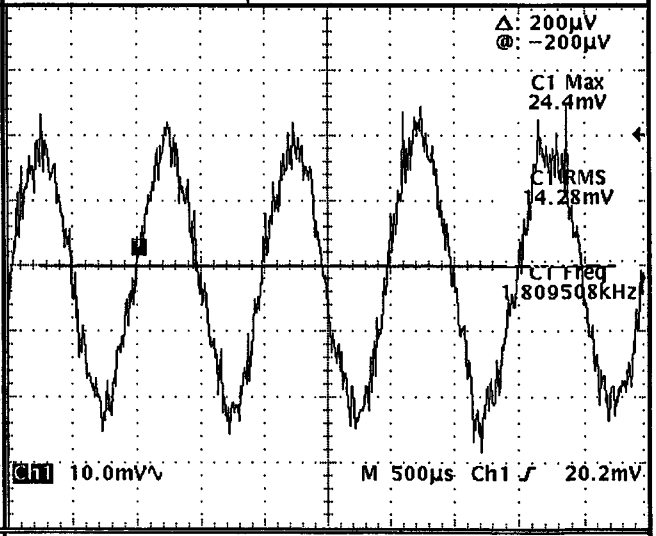
IC303 ·	2 Pin	
No.65	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



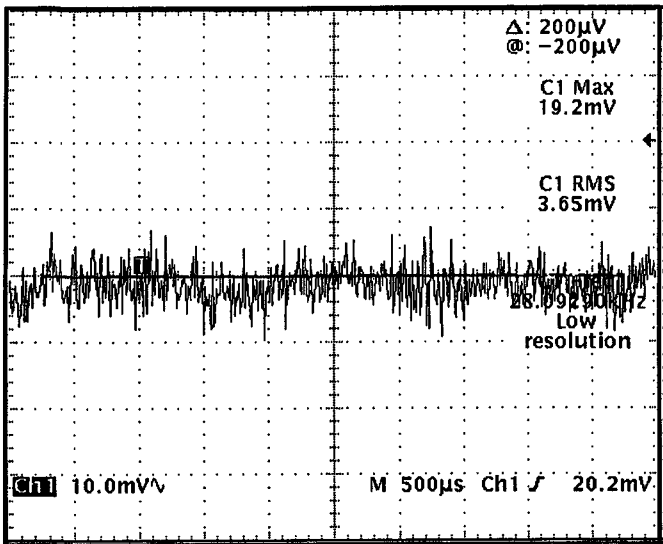
IC303 ·	2 Pin	
No.66	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



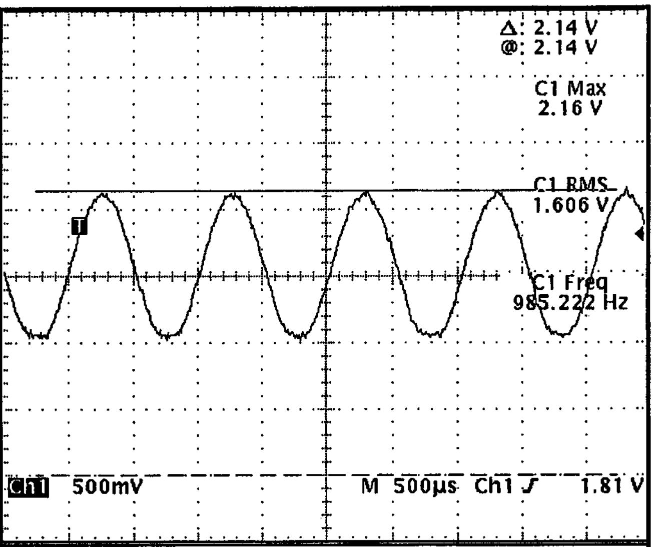
IC303 ·	6 Pin	
No.67	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



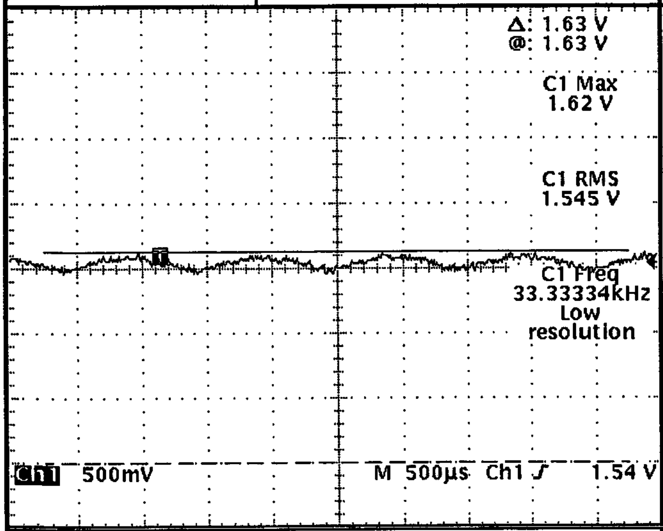
IC303 ·	6 Pin	
No.68	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



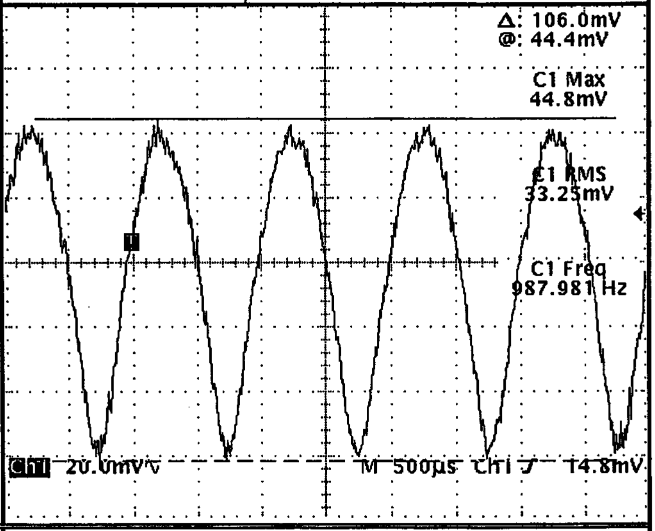
IC303	·	6 Pin
No.69	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



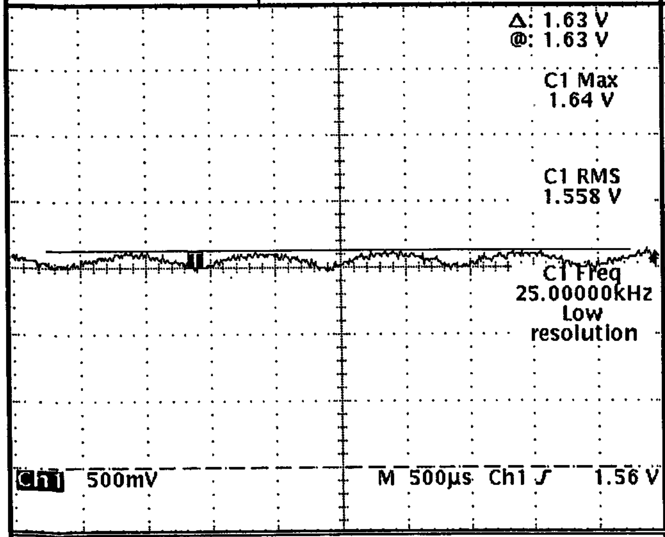
IC304	·	1 Pin
No.70	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



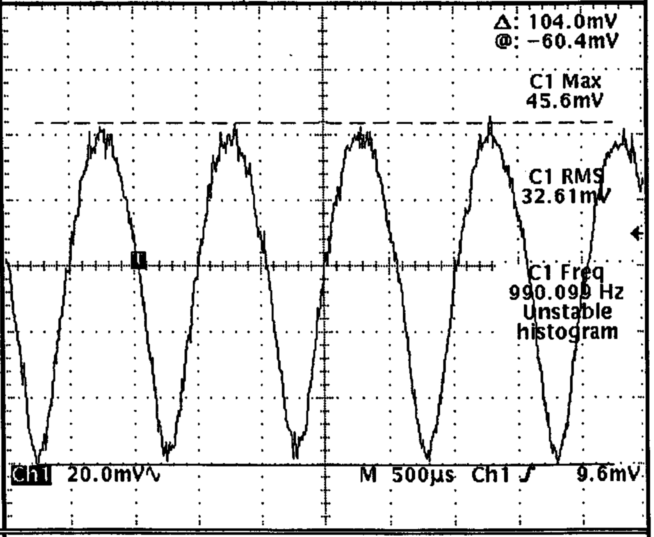
IC304	·	2 Pin
No.71	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



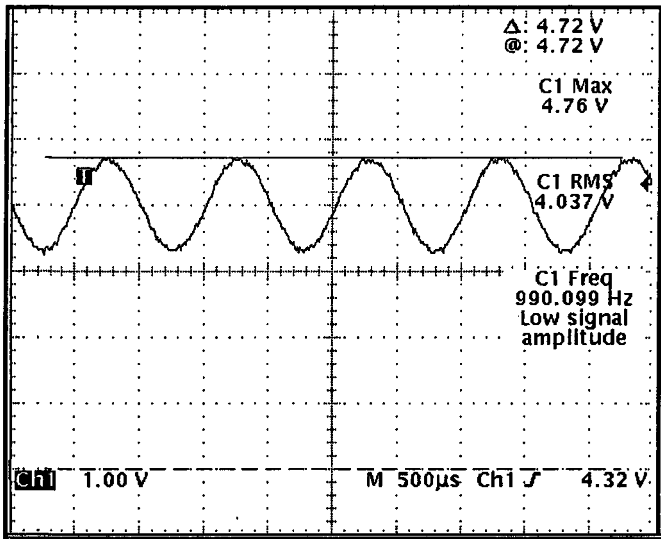
IC304	·	2 Pin
No.72	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



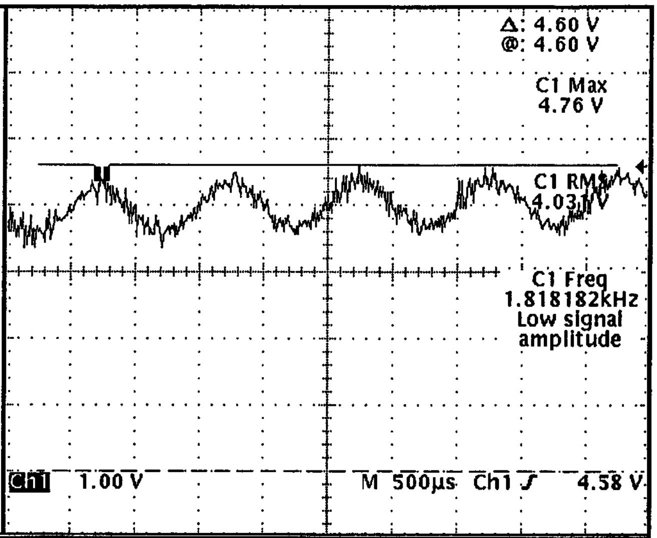
IC304	·	6 Pin
No.73	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



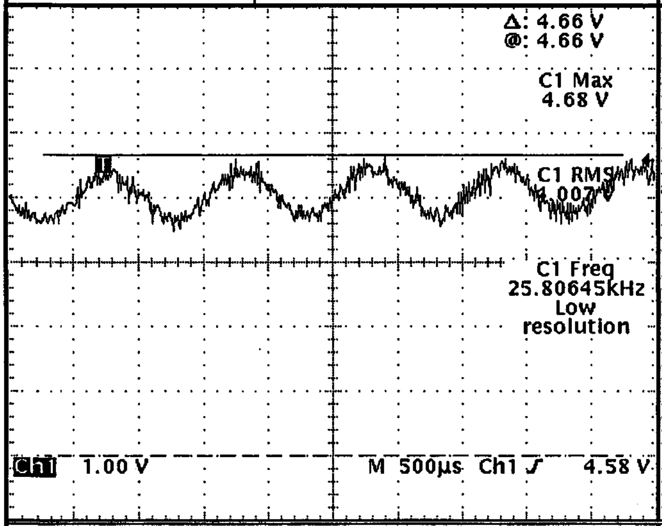
IC304	·	6 Pin
No.74	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



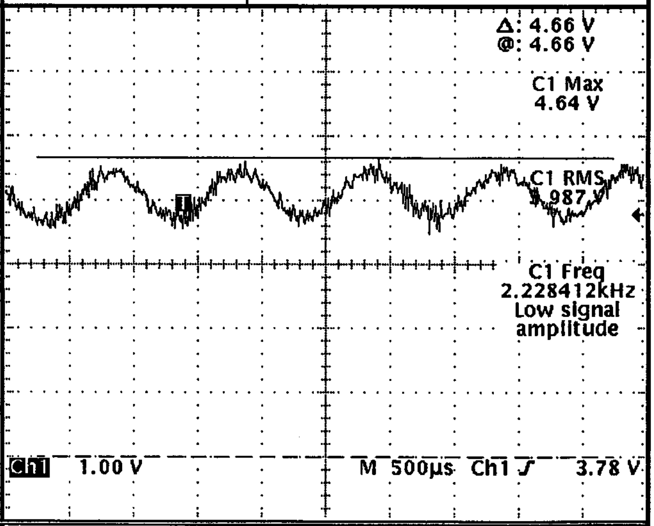
IC305 ·	1 Pin	
No.75	Volt/Div=	V/Div
DC・AC	Time/Div=	S/Div



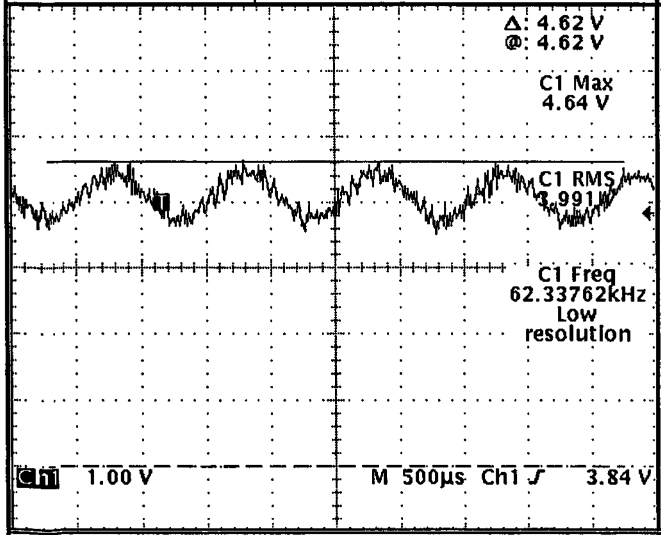
IC305 ·	2 Pin	
No.76	Volt/Div=	V/Div
DC・AC	Time/Div=	S/Div



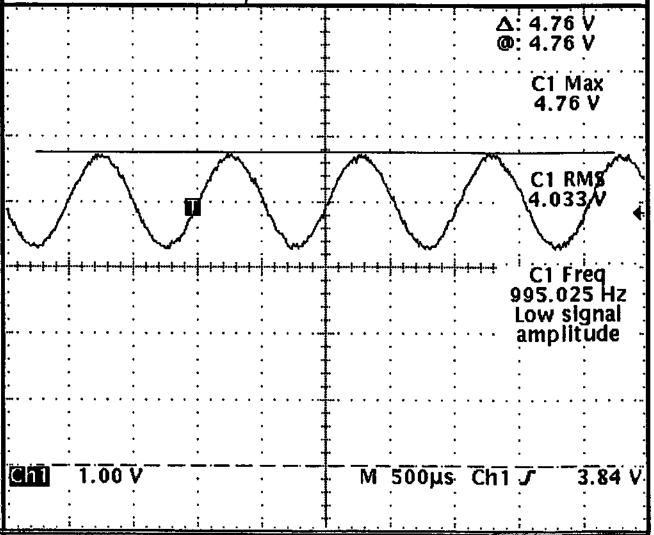
IC305 ·	3 Pin	
No.77	Volt/Div=	V/Div
DC・AC	Time/Div=	S/Div



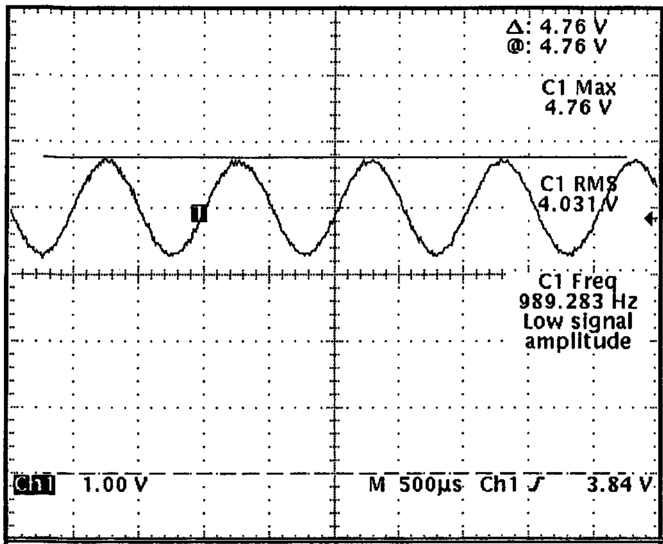
IC305 ·	5 Pin	
No.78	Volt/Div=	V/Div
DC・AC	Time/Div=	S/Div



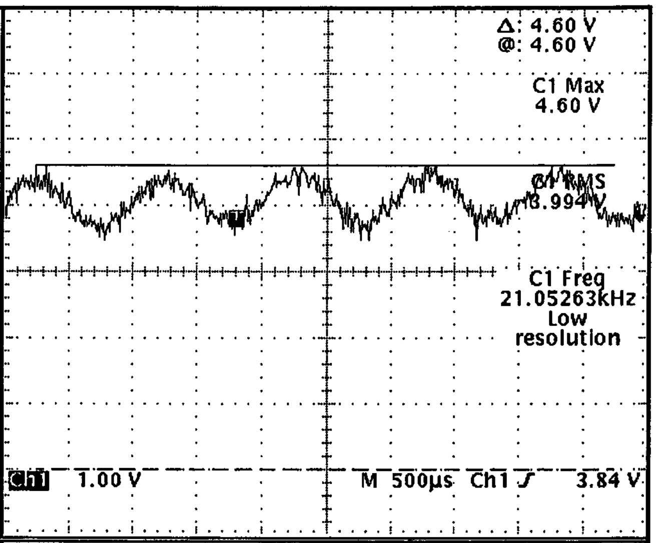
IC305 ·	6 Pin	
No.79	Volt/Div=	V/Div
DC・AC	Time/Div=	S/Div



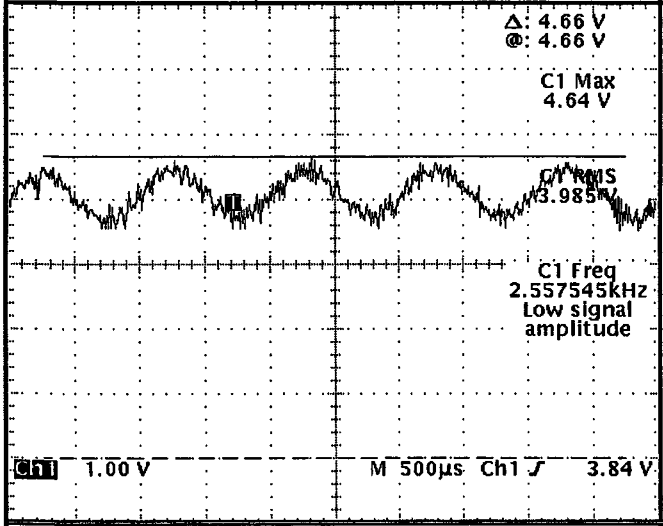
IC305 ·	7 Pin	
No.80	Volt/Div=	V/Div
DC・AC	Time/Div=	S/Div



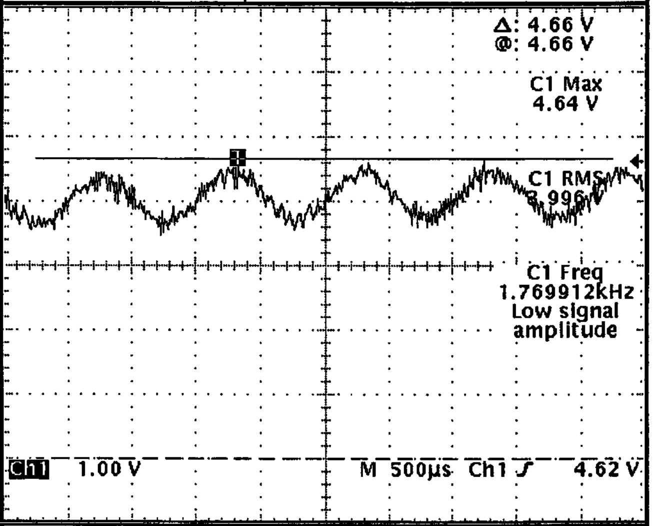
IC306 ·	1 Pin	
No.81	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



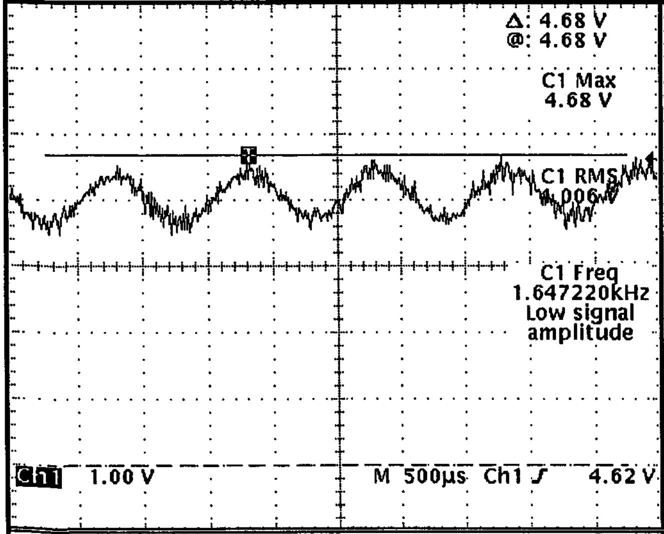
IC306 ·	2 Pin	
No.82	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



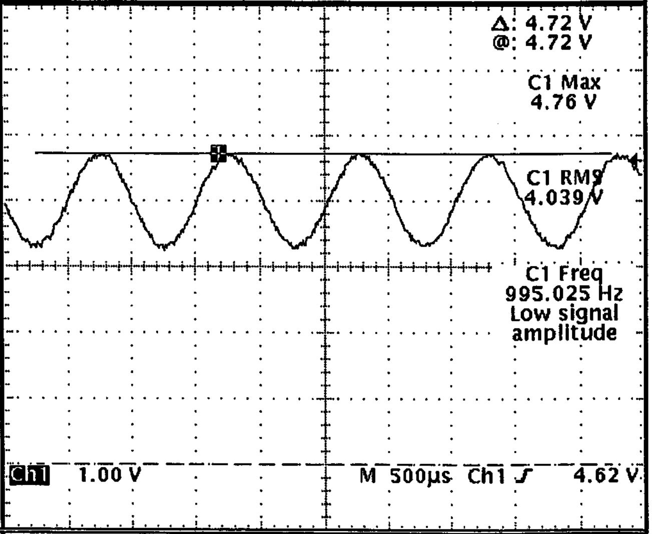
IC306 ·	3 Pin	
No.83	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



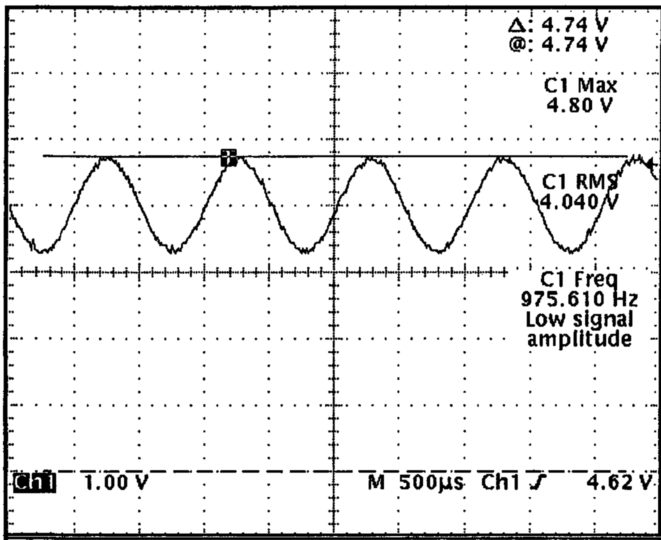
IC306 ·	5 Pin	
No.84	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



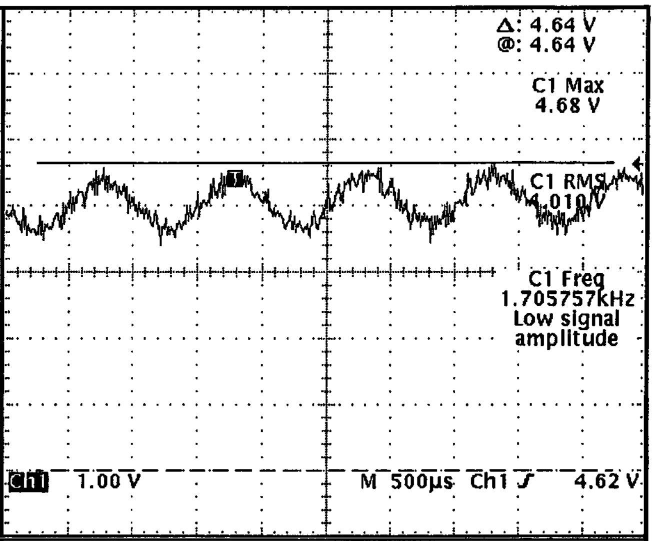
IC306 ·	6 Pin	
No.85	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



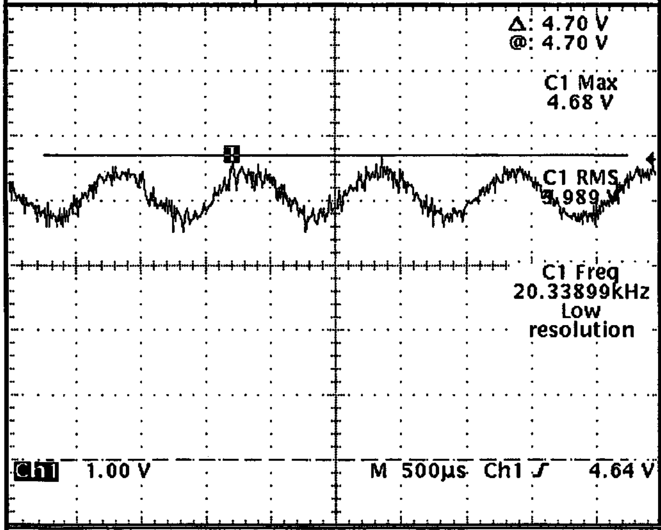
IC306 ·	7 Pin	
No.86	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



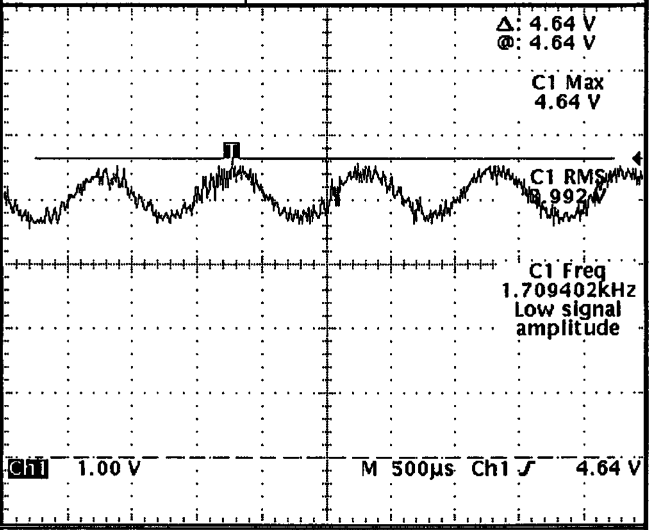
IC306 · 8 Pin		
No.87	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



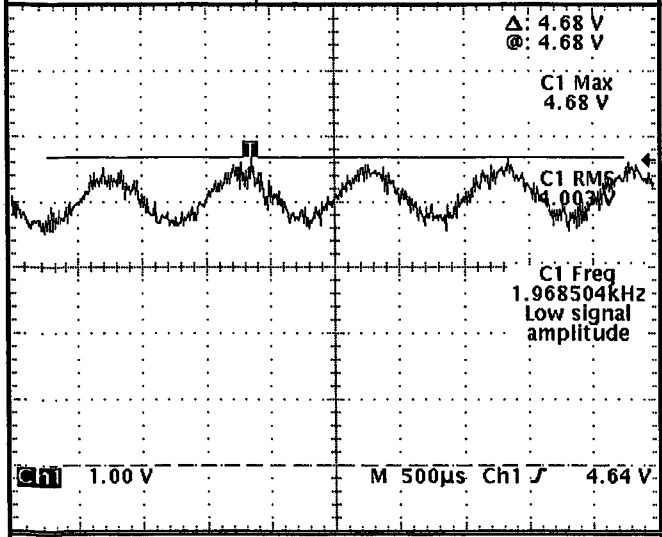
IC306 · 9 Pin		
No.88	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



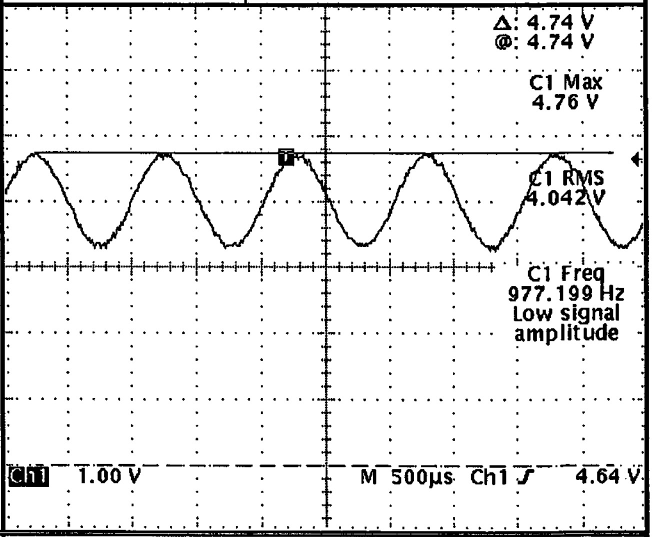
IC306 · 10 Pin		
No.89	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



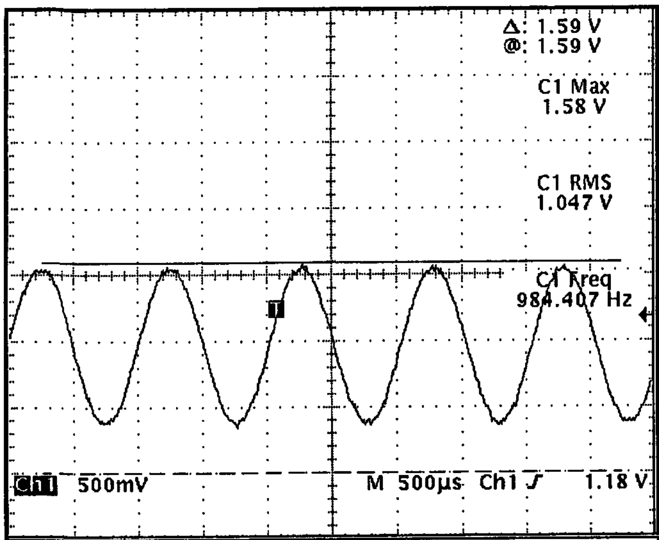
IC306 · 12 Pin		
No.90	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



IC306 · 13 Pin		
No.91	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div

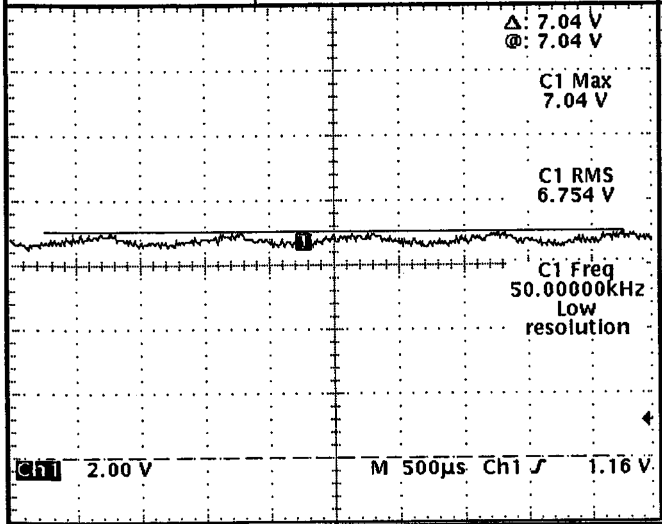


IC306 · 14 Pin		
No.92	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div

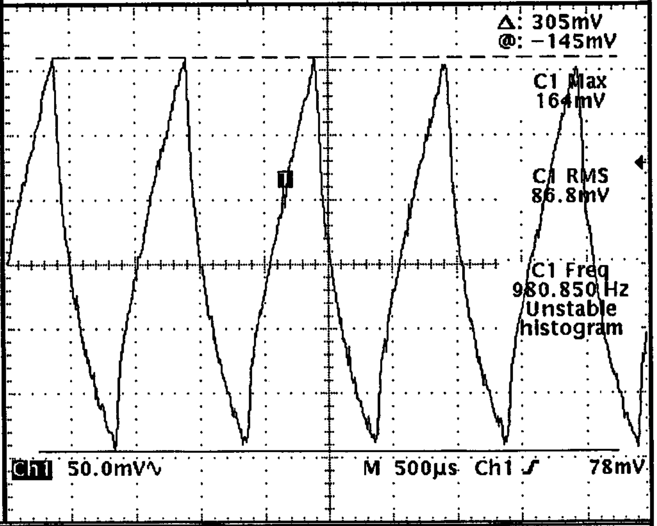


IC 307 · 1 Pin		
No.93	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div

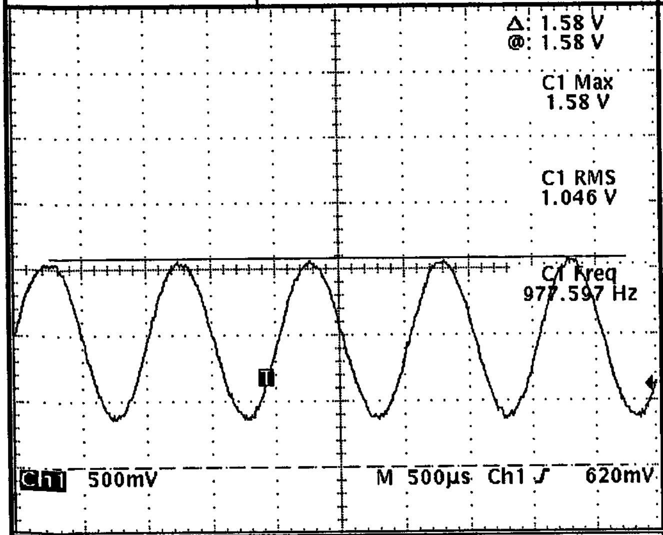
IC · Pin		
No.	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



IC307 · 2 Pin		
No.94	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div

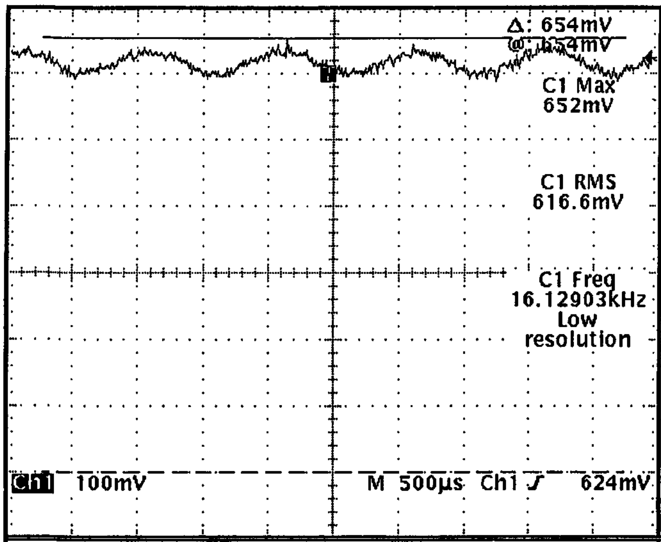


IC307 · 2 Pin		
No.95	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div

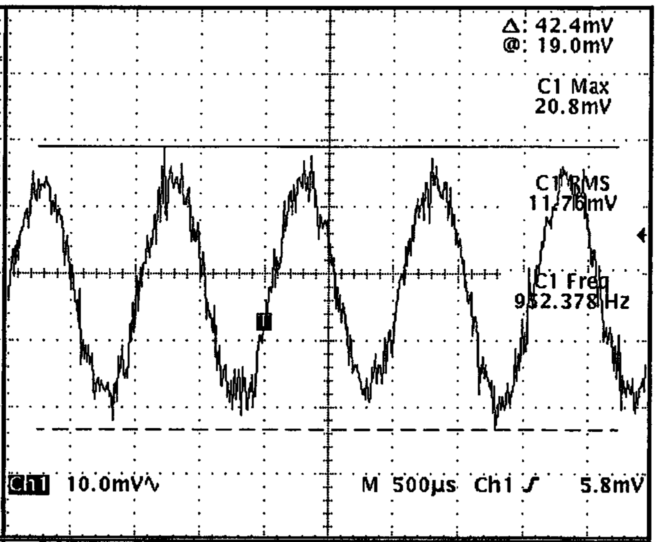


IC307 · 3 Pin		
No.96	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div

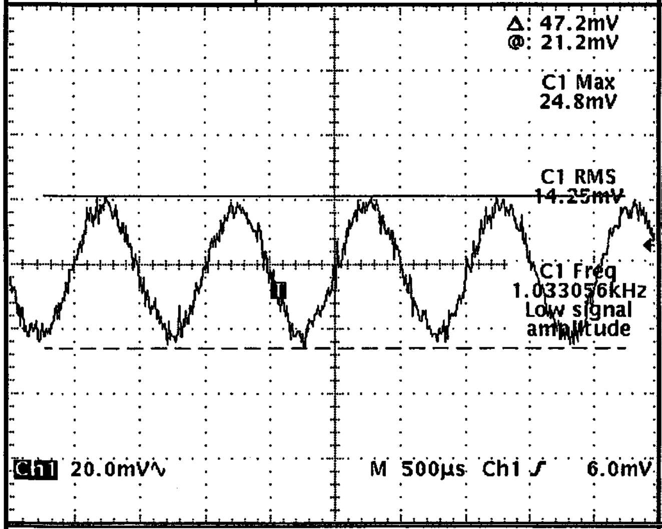
IC · Pin		
No.	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



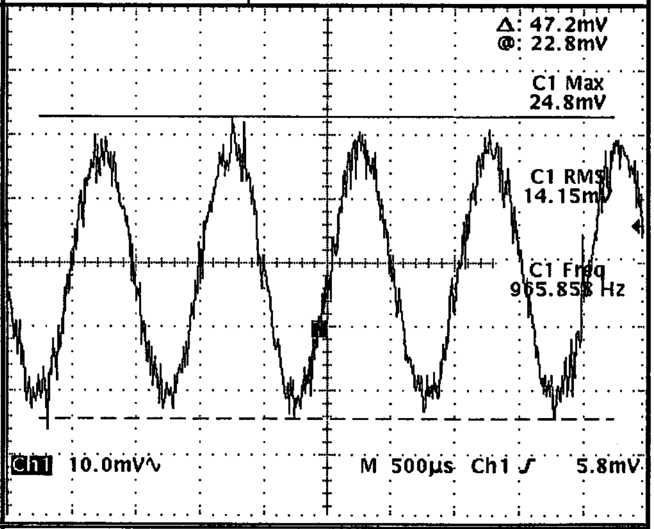
IC307 · 5 Pin		
No.97	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



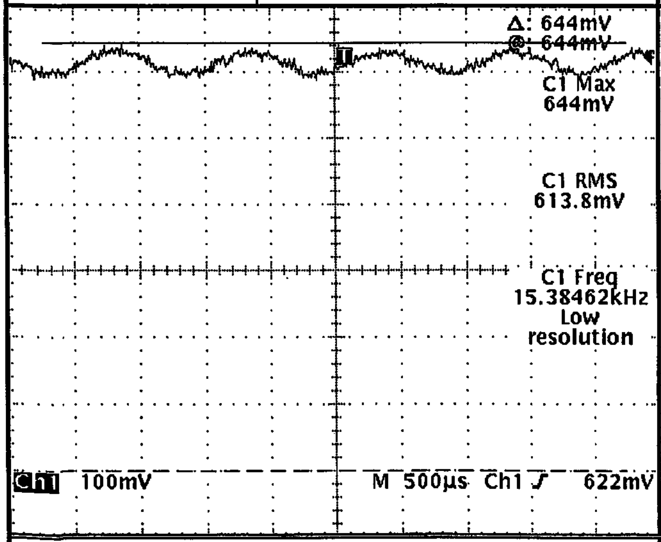
IC307 · 5 Pin		
No.98	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



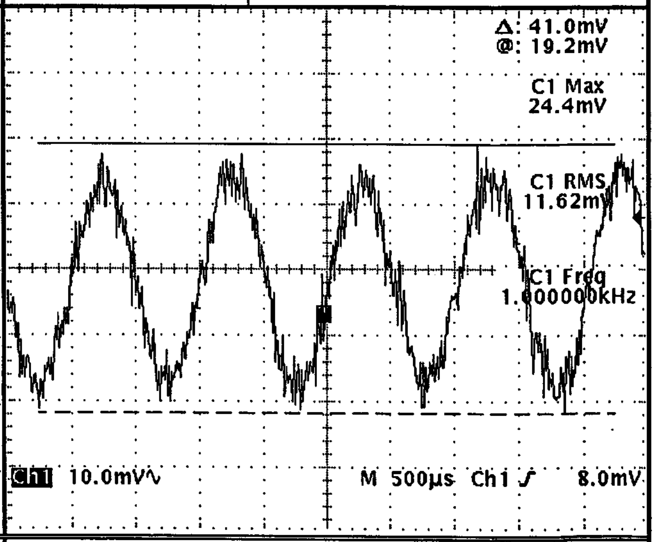
IC307 · 6 Pin		
No.99	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



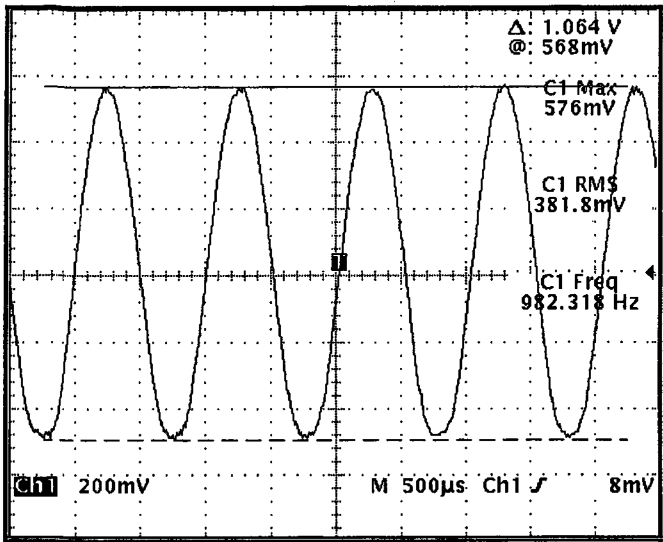
IC307 · 7 Pin		
No.100	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



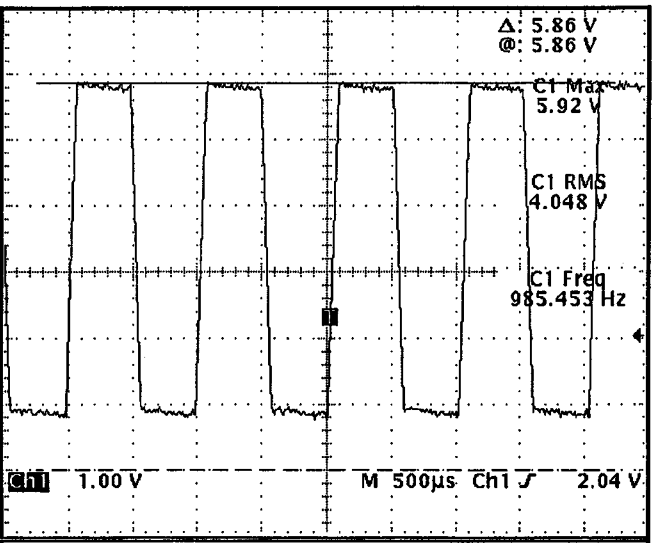
IC307 · 8 Pin		
No.101	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



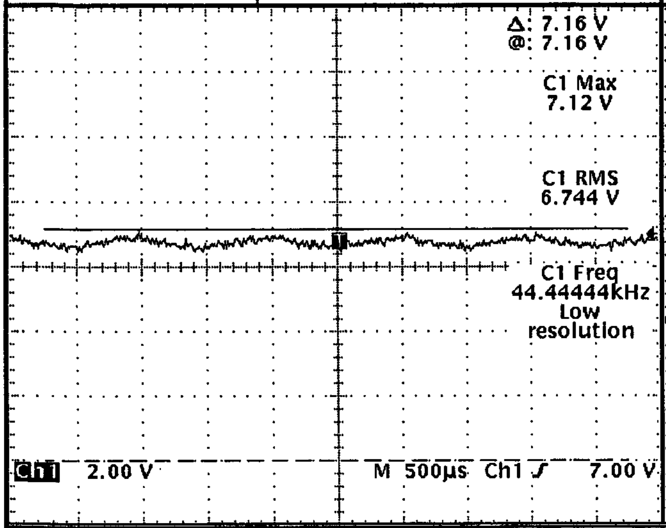
IC307 · 8 Pin		
No.102	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



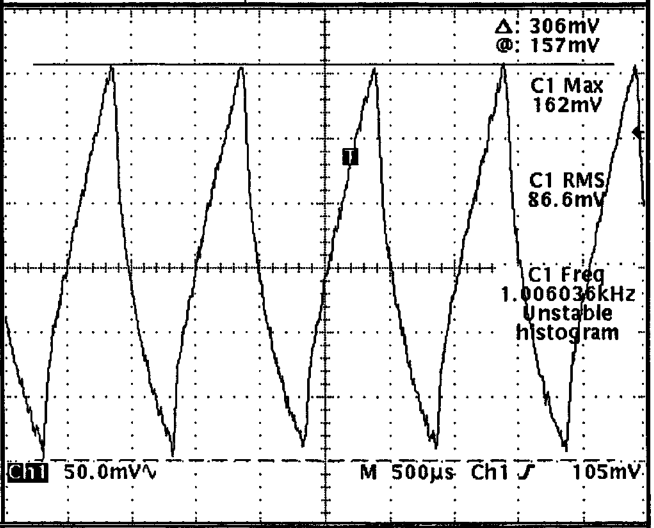
IC308 ·	3 Pin	
No.103	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



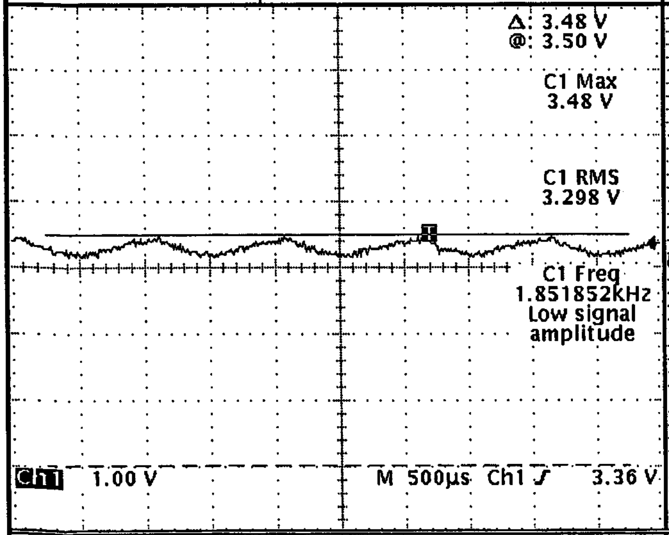
IC308 ·	5Pin	
No.104	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



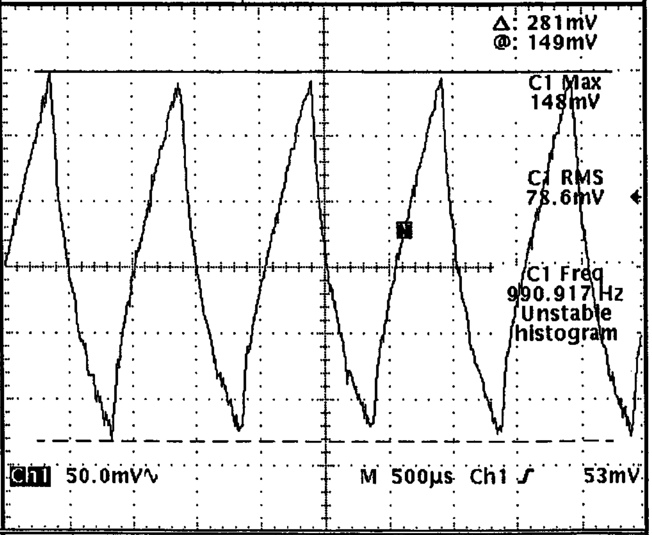
IC308 ·	6 Pin	
No.105	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



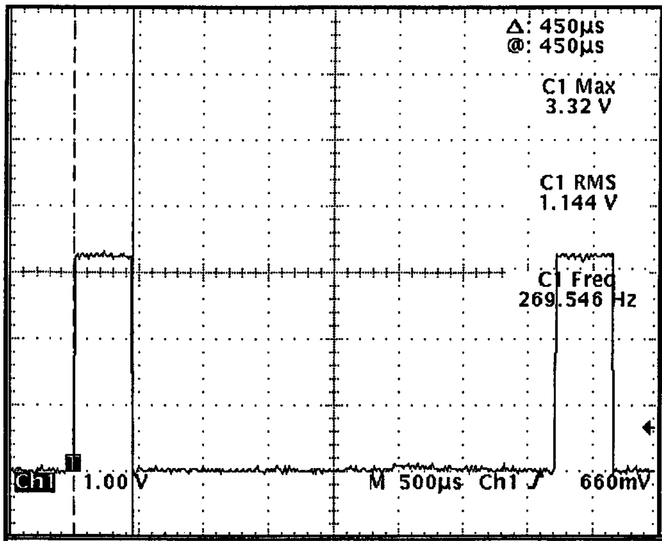
IC308 ·	6Pin	
No.106	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



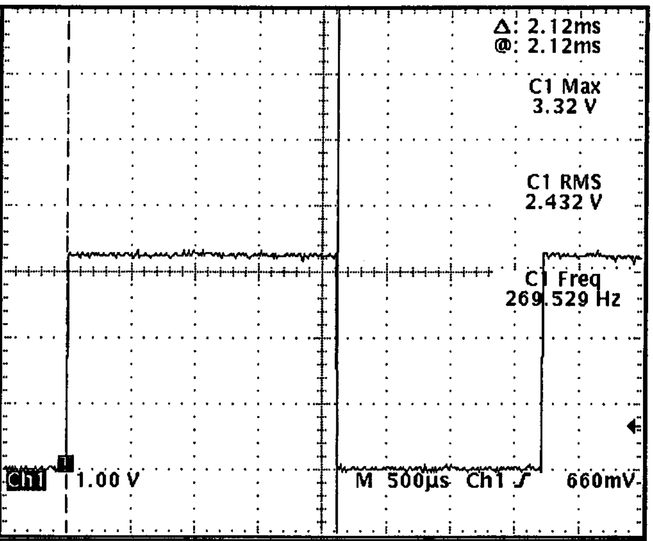
IC308 ·	7 Pin	
No.107	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



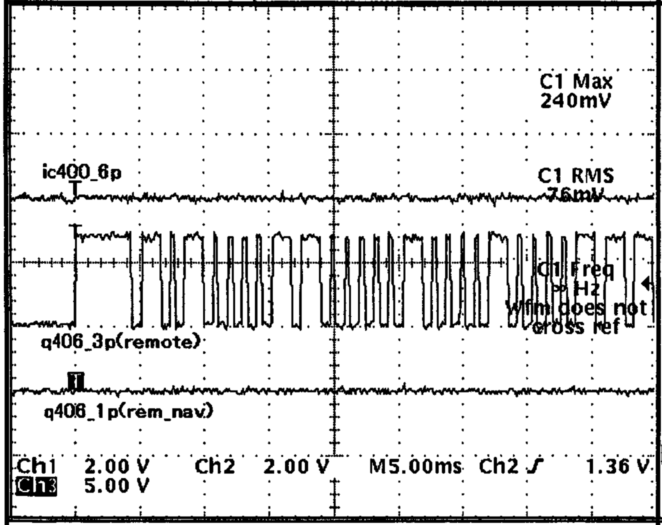
IC308 ·	7 Pin	
No.108	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



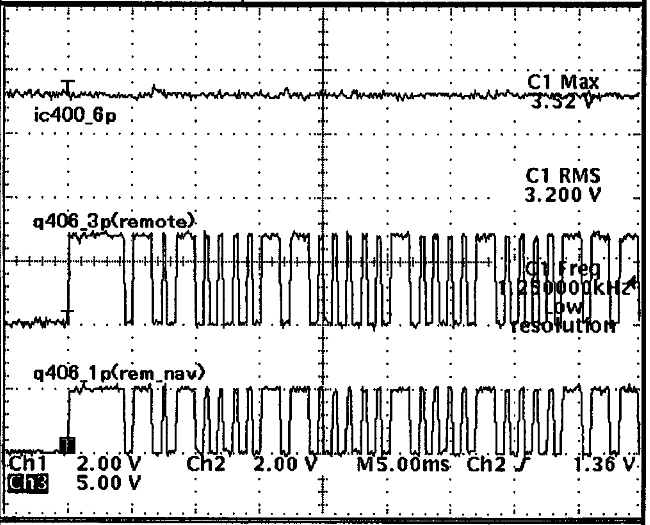
IC400 · 3 Pin		
No.109	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



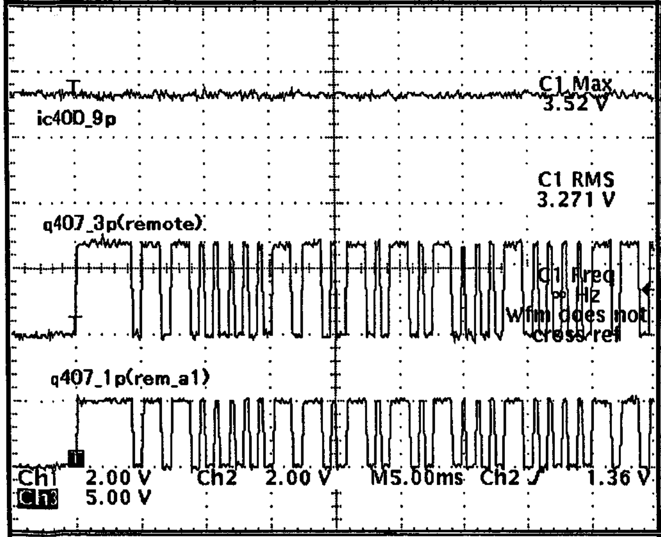
IC400 · 3 Pin		
No.110	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



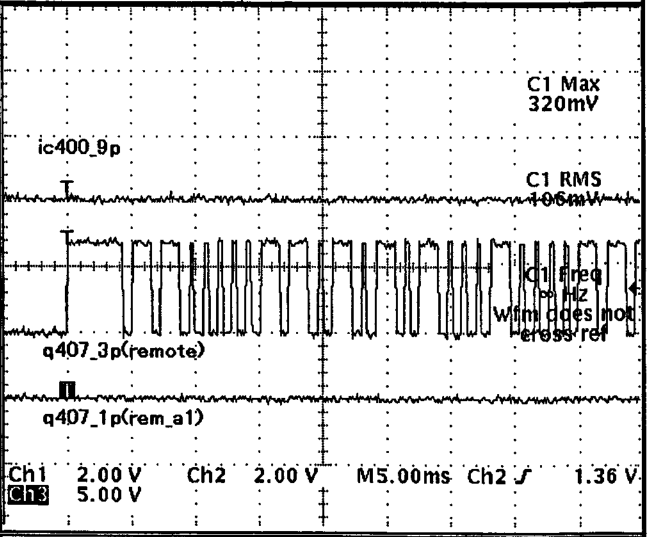
IC400 · 6 Pin		
No.111	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



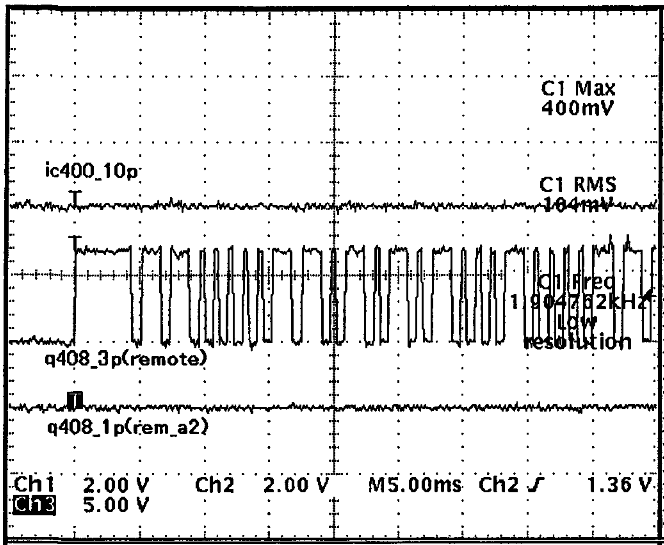
IC400 · 6 Pin		
No.112	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



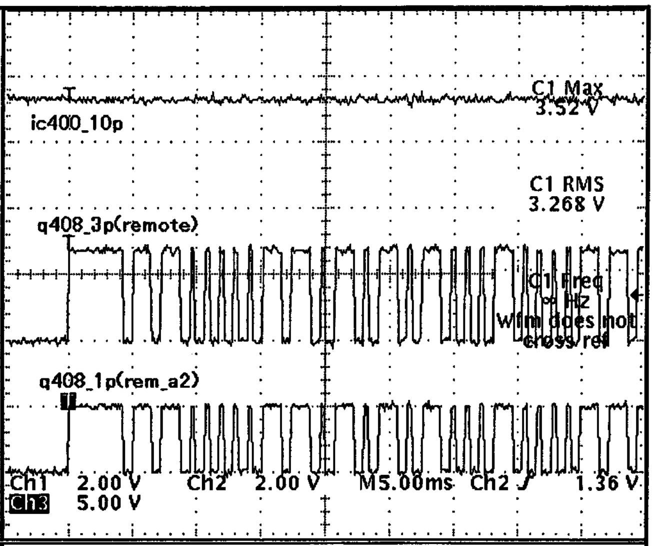
IC400 · 9 Pin		
No.113	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



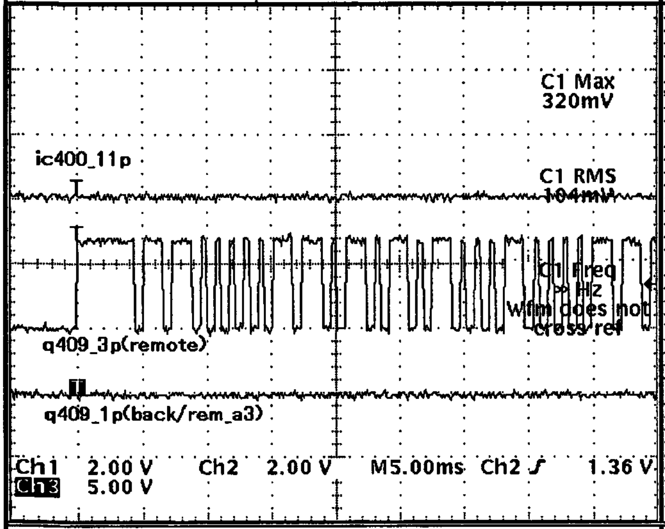
IC400 · 9 Pin		
No.114	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



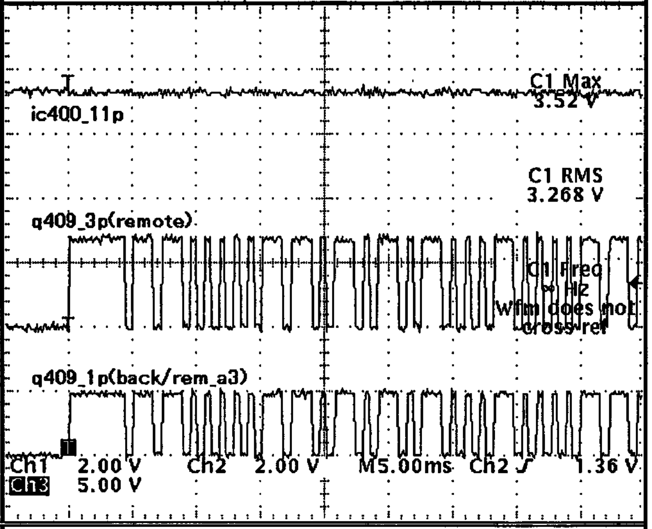
IC400 ·	10 Pin	
No.115	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



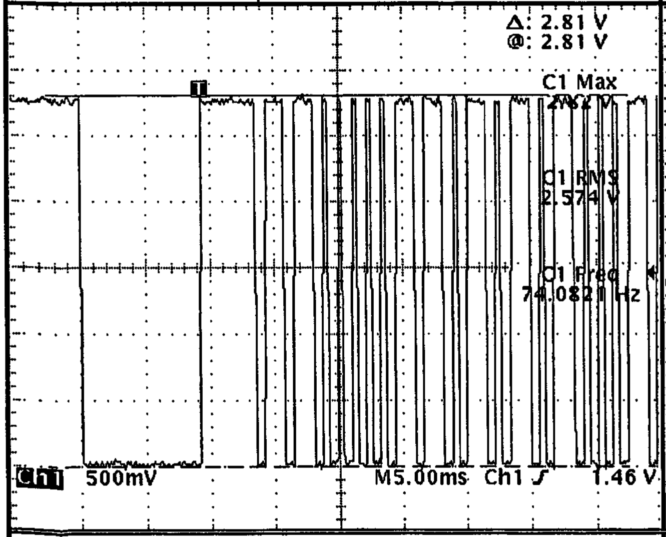
IC400 ·	10 Pin	
No.116	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



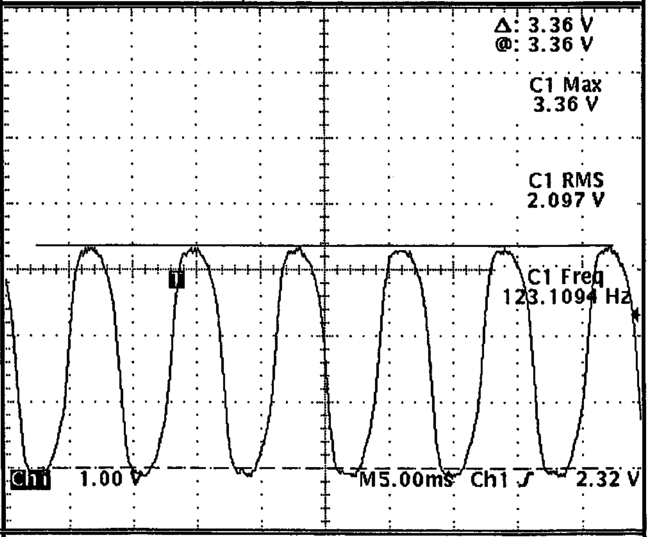
IC400 ·	11 Pin	
No.117	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



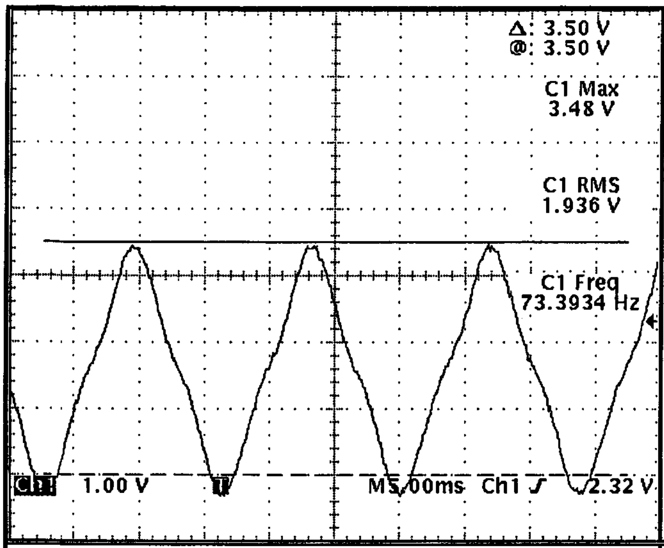
IC400 ·	11 Pin	
No.118	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



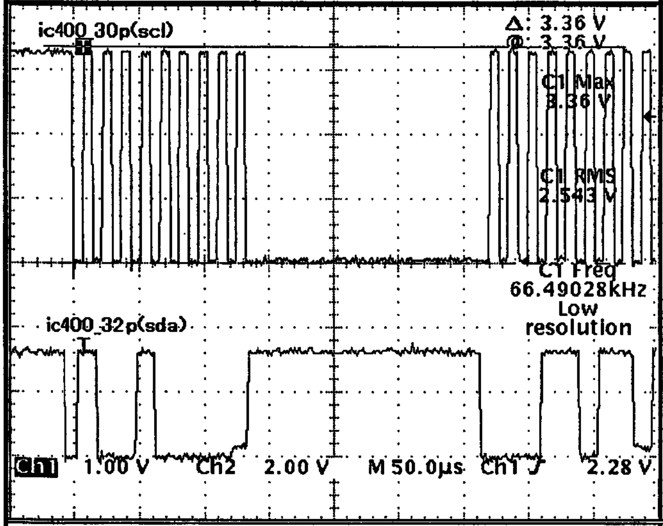
IC400 ·	24 Pin	
No. 119	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div

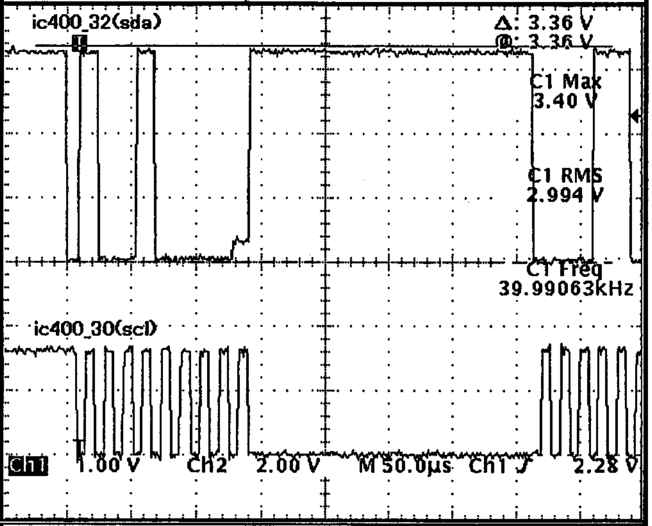


IC400 ·	26 Pin	
No.120	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div

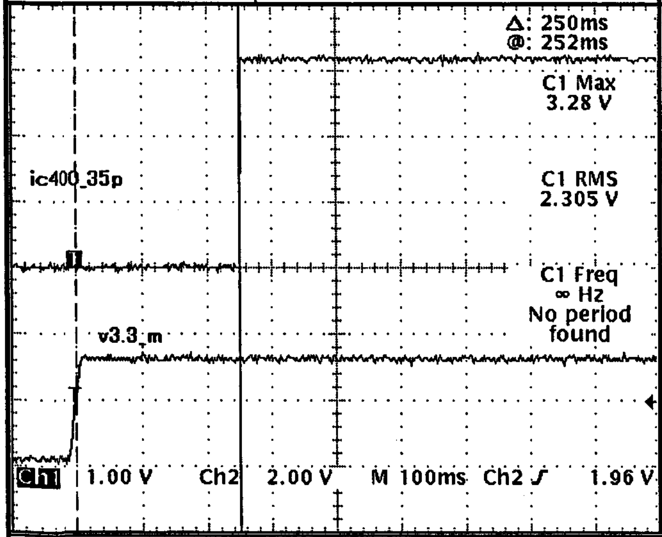


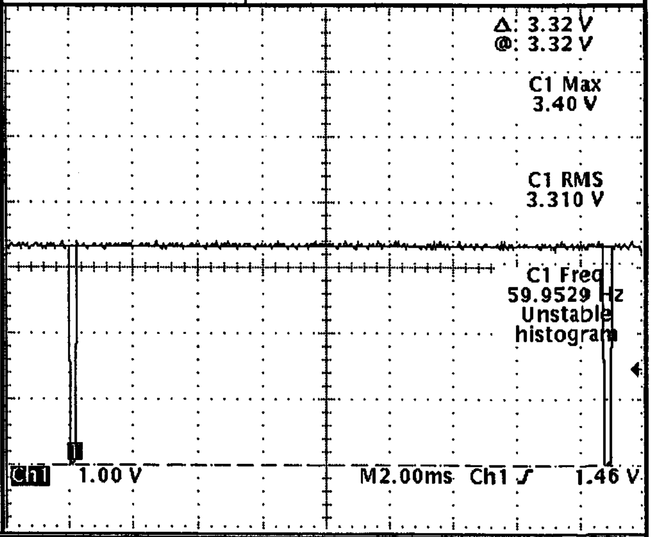
IC400 · 27 Pin		IC · Pin	
No.121	Volt/Div= V/Div	No.	Volt/Div= V/Div
DC · AC	Time/Div= S/Div	DC · AC	Time/Div= S/Div



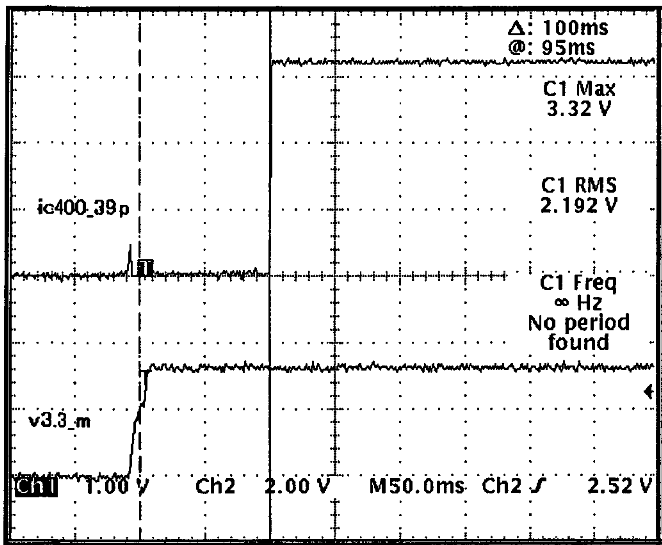


IC400 · 30 Pin		IC400 · 32 Pin	
No.122	Volt/Div= V/Div	No.123	Volt/Div= V/Div
DC · AC	Time/Div= S/Div	DC · AC	Time/Div= S/Div

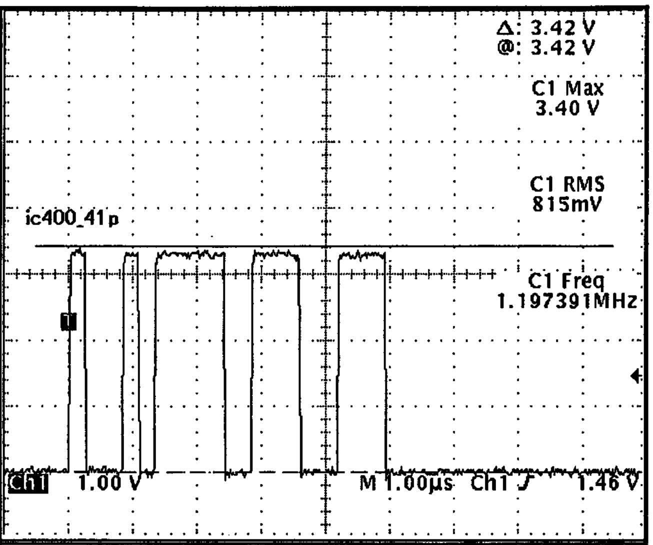




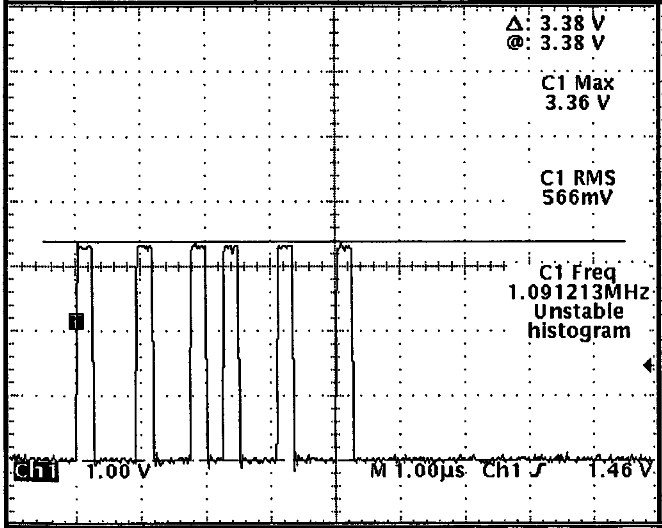
IC400 · 35 Pin		IC400 · 37 Pin	
No.124	Volt/Div= V/Div	No.125	Volt/Div= V/Div
DC · AC	Time/Div= S/Div	DC · AC	Time/Div= S/Div



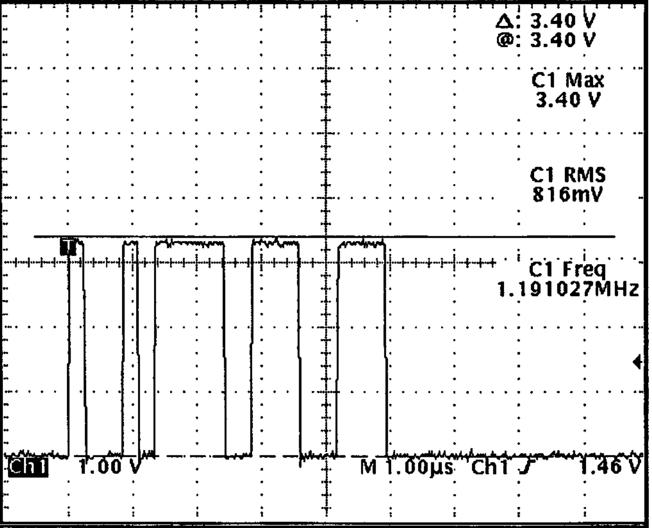
IC400	·	39 Pin
No.126	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



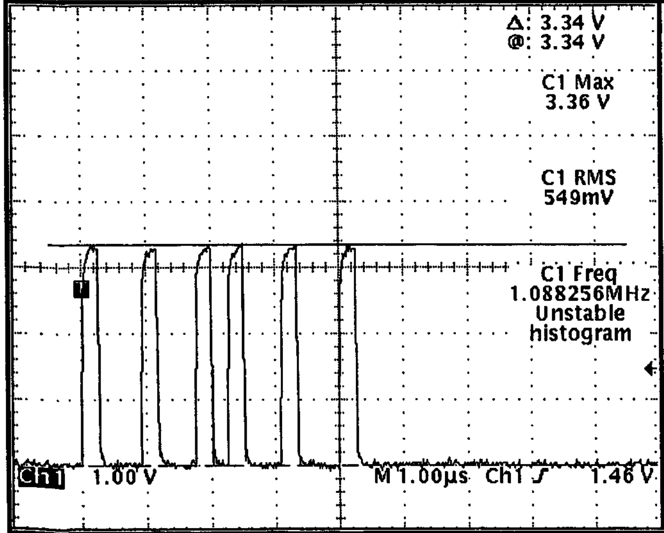
IC400	·	41 Pin
No.127	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



IC400	·	42 Pin
No.128	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div

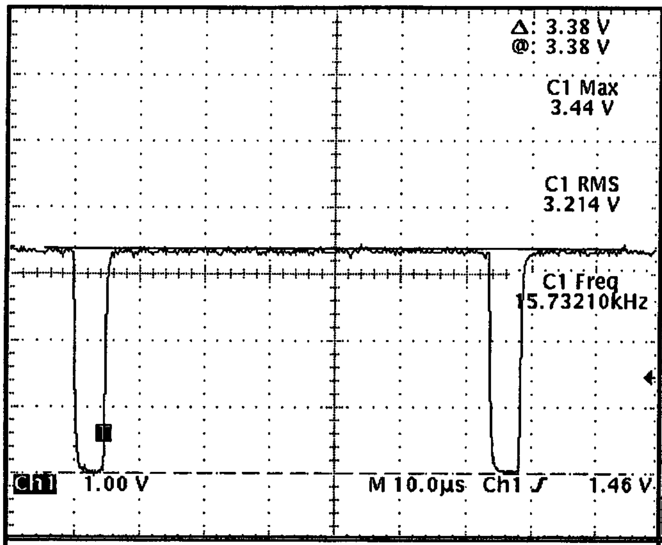


IC400	·	43 Pin
No.129	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div

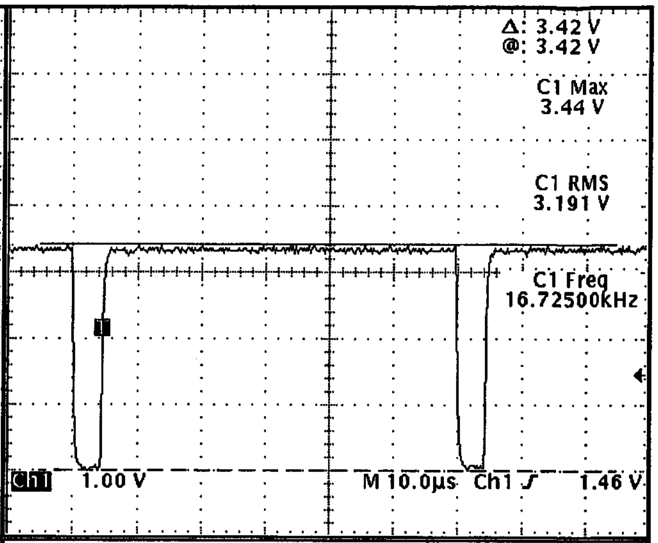


IC400	·	44 Pin
No.130	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div

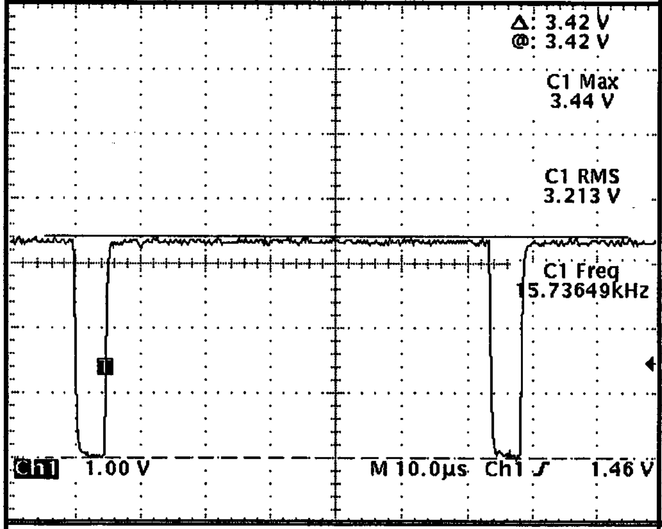
IC400	·	Pin
No.	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



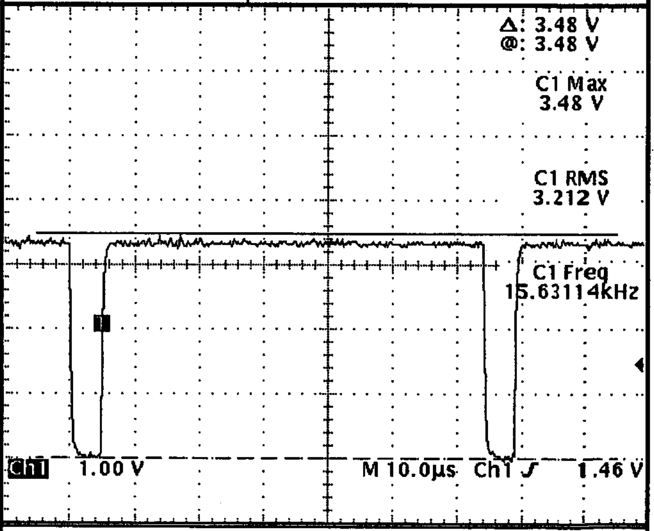
IC400 ·	49 Pin	
No.131	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



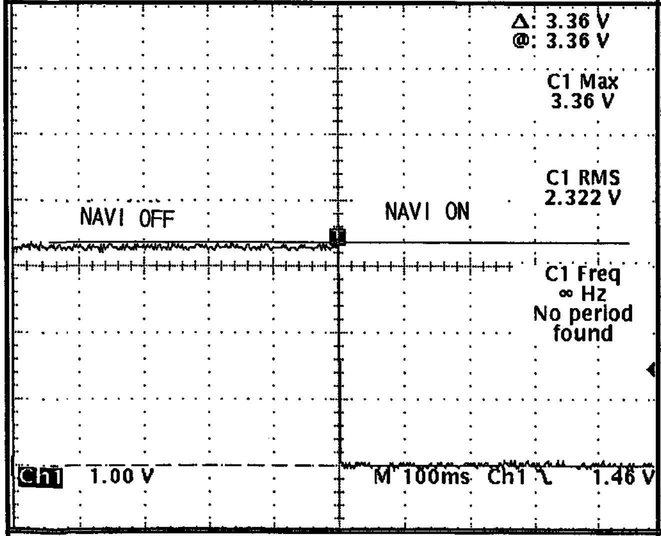
IC400 ·	49 Pin	
No.132	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



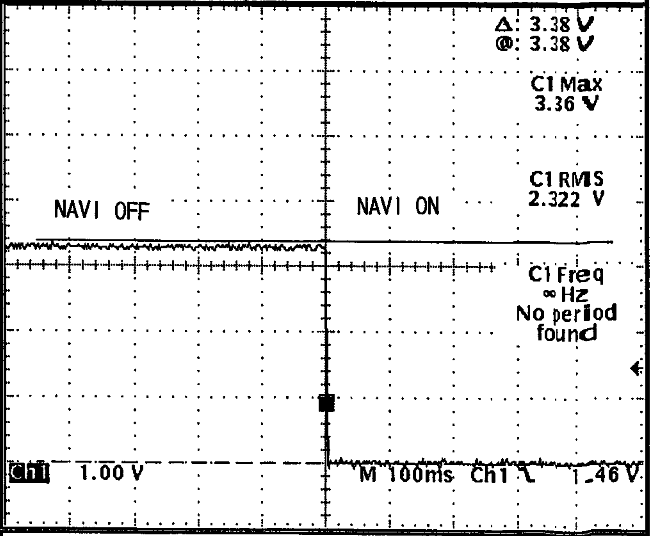
IC400 ·	49 Pin	
No.133	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



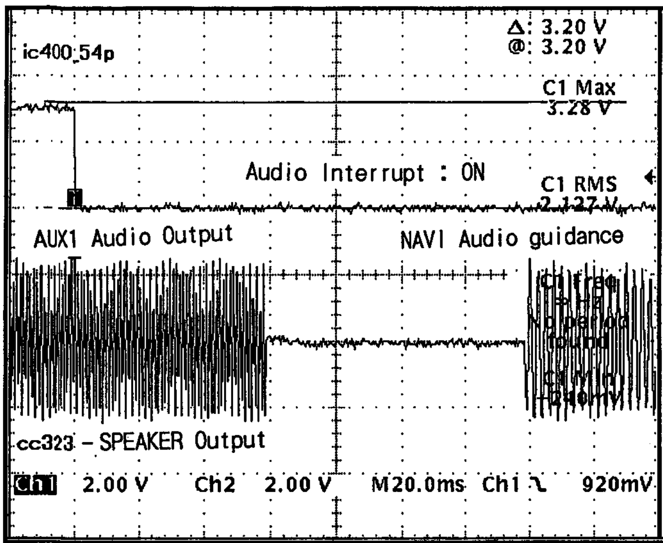
IC400 ·	49 Pin	
No.134	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



IC400 ·	52 Pin	
No.135	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div

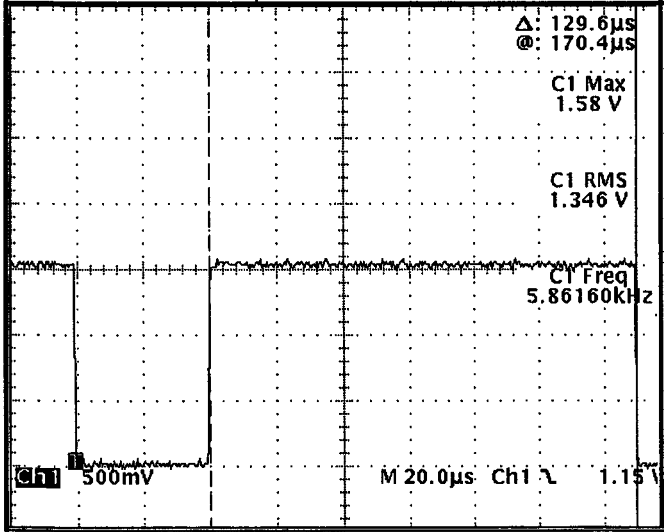


IC400 ·	53 Pin	
No.136	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div

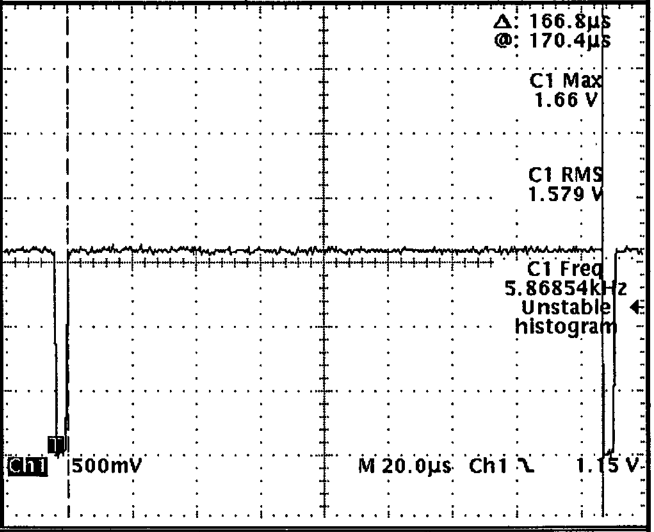


IC400 · 54 Pin		
No.137	Volt/Div=	V/Div
DC・AC	Time/Div=	S/Div

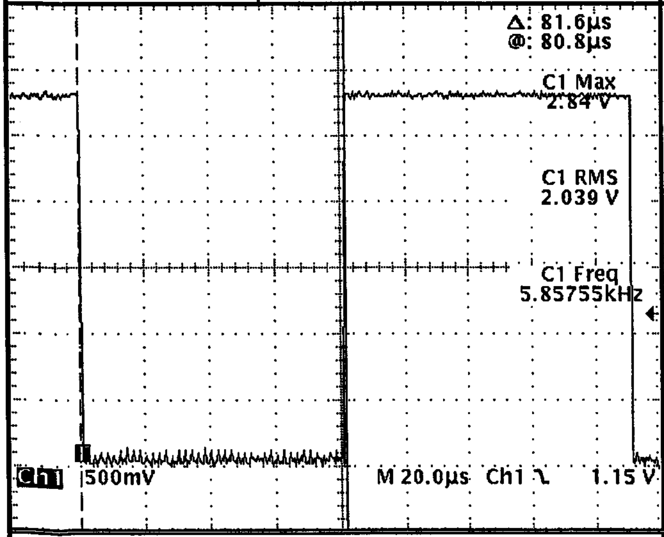
IC · Pin		
No.	Volt/Div=	V/Div
DC・AC	Time/Div=	S/Div



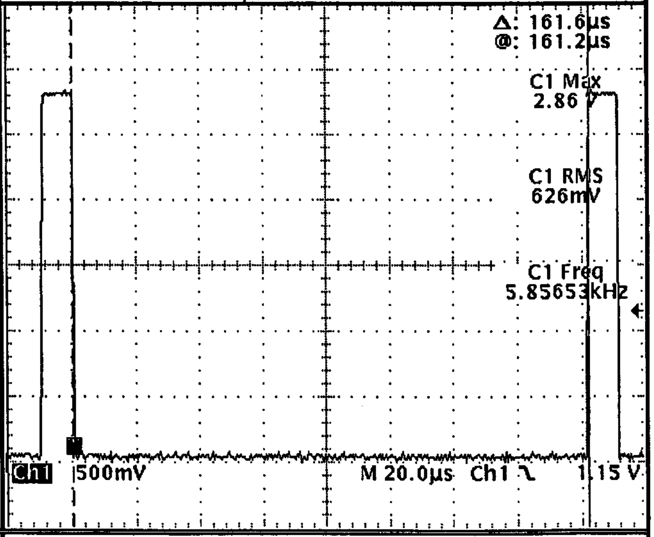
IC400 · 60 Pin		
No.138	Volt/Div=	V/Div
DC・AC	Time/Div=	S/Div



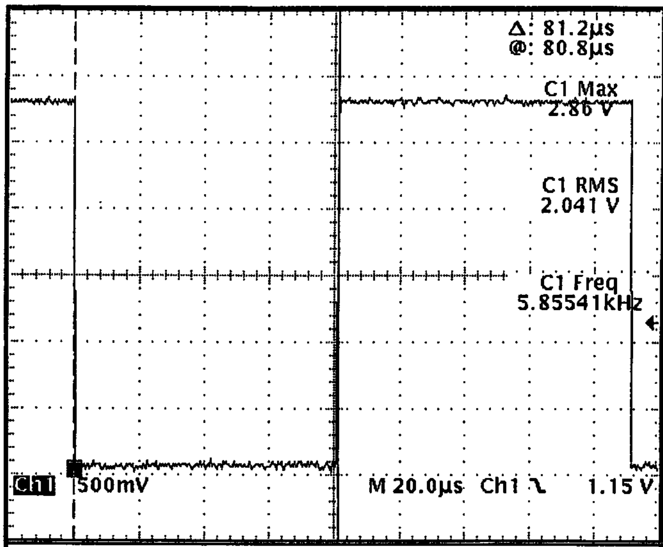
IC400 · 60 Pin		
No.139	Volt/Div=	V/Div
DC・AC	Time/Div=	S/Div



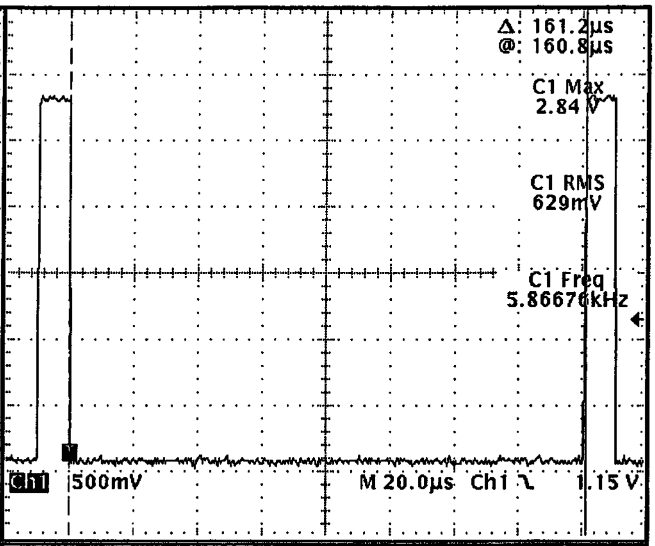
IC400 · 61 Pin		
No.140	Volt/Div=	V/Div
DC・AC	Time/Div=	S/Div



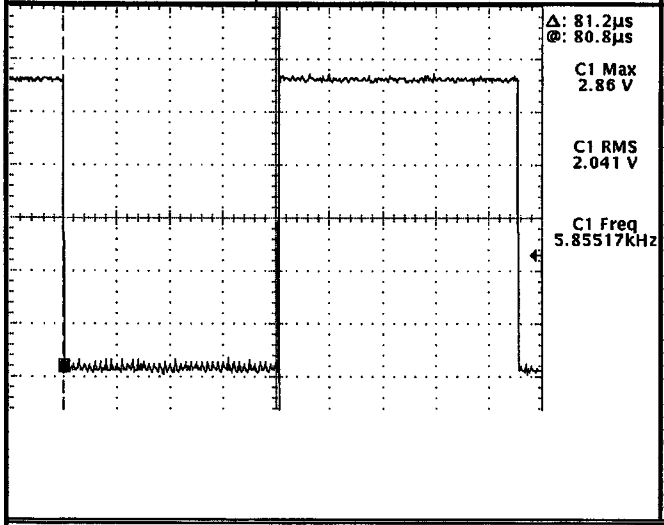
IC400 · 61 Pin		
No.141	Volt/Div=	V/Div
DC・AC	Time/Div=	S/Div



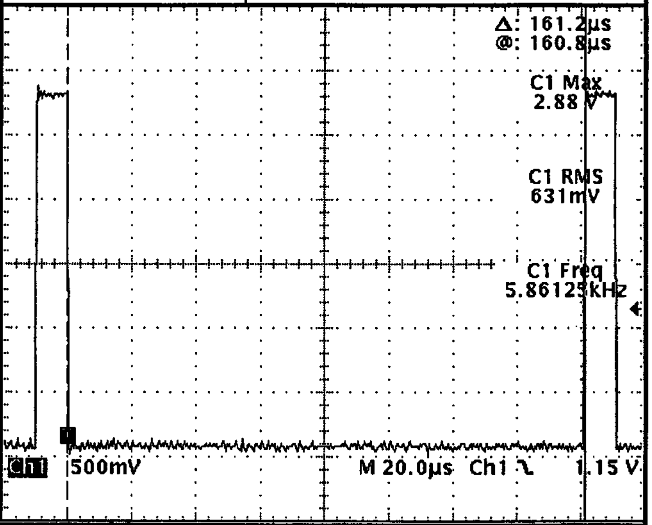
IC400 ·	62 Pin	
No.142	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



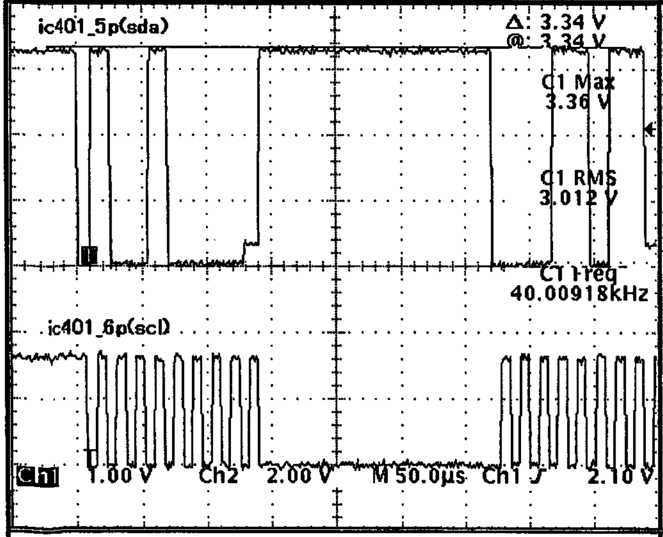
IC400 ·	62 Pin	
No.143	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



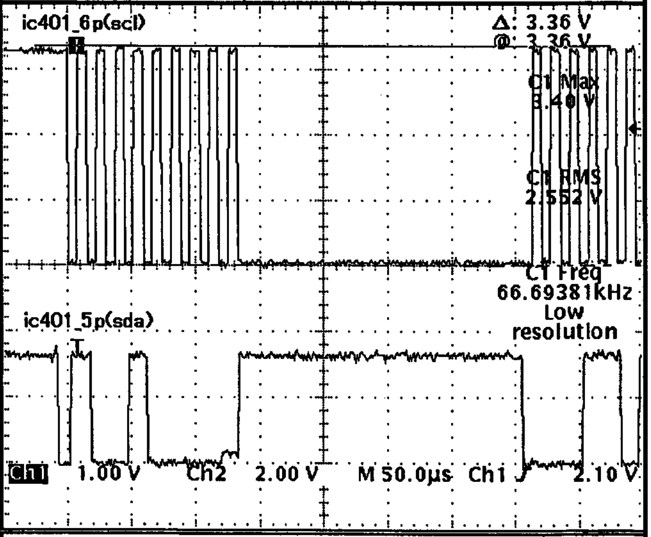
IC400 ·	64 Pin	
No.144	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



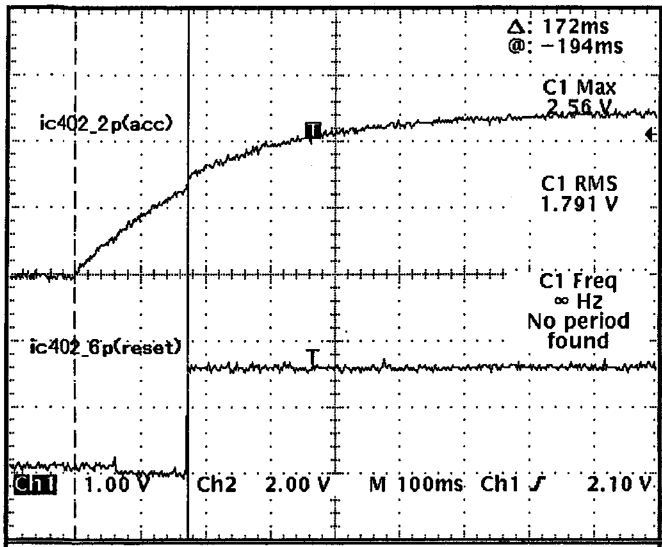
IC400 ·	64 Pin	
No.145	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



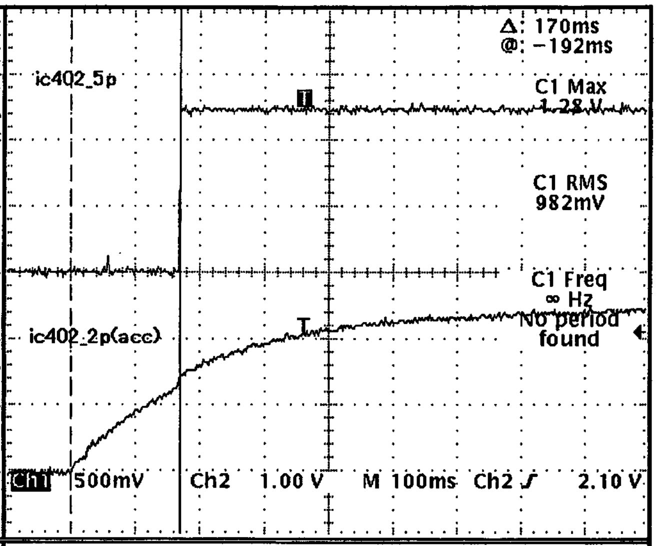
IC401 ·	5 Pin	
No.146	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



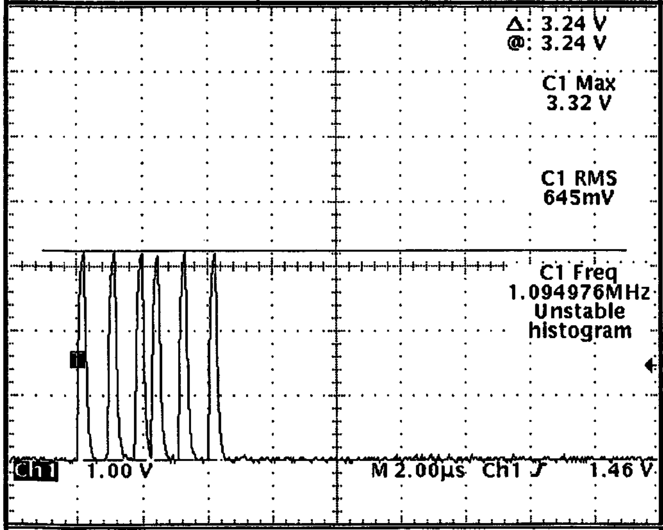
IC401 ·	6 Pin	
No.147	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



IC402 · 2 Pin		
No.148	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div

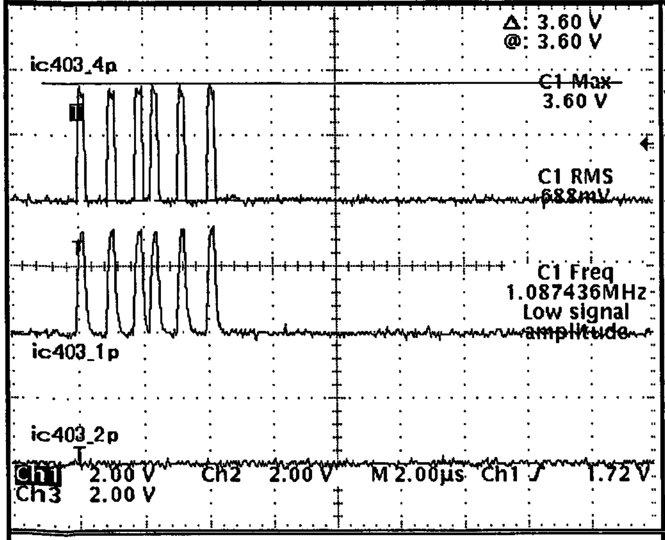


IC402 · 5 Pin		
No.149	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div

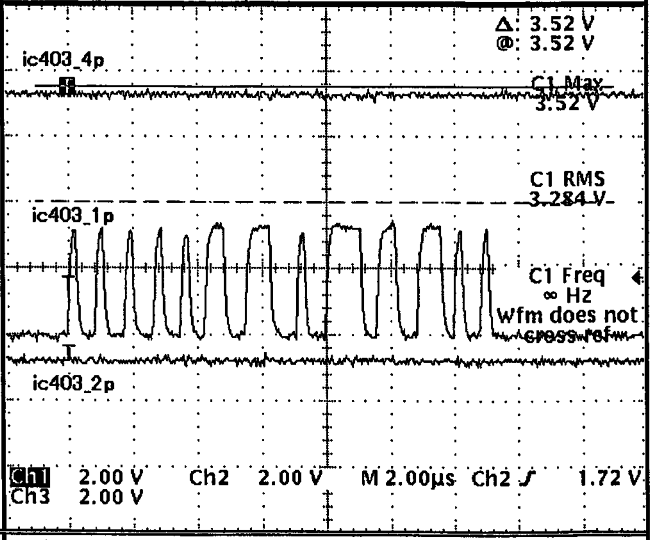


IC403 · 1 Pin		
No.150	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div

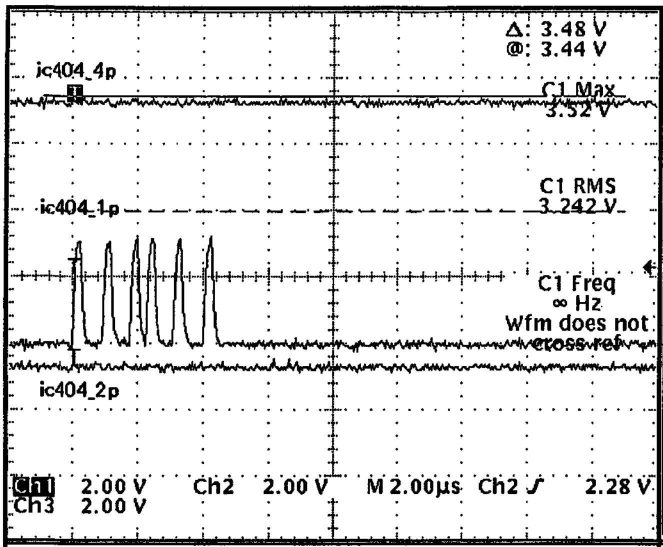
IC · Pin		
No.	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



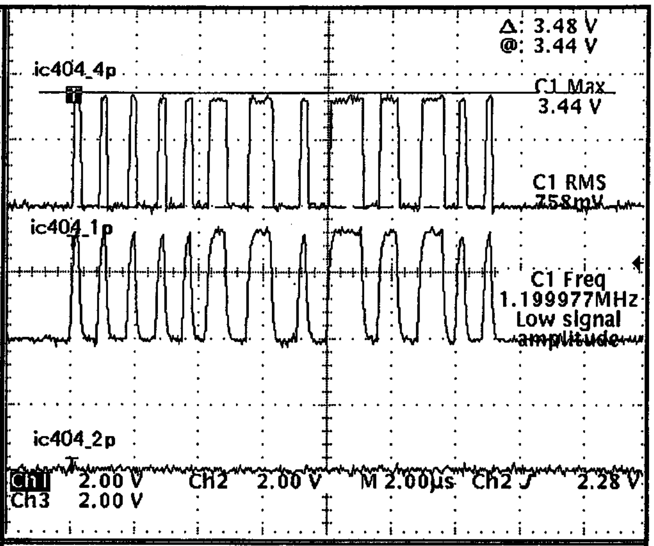
IC403 · 4 Pin		
No.151	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



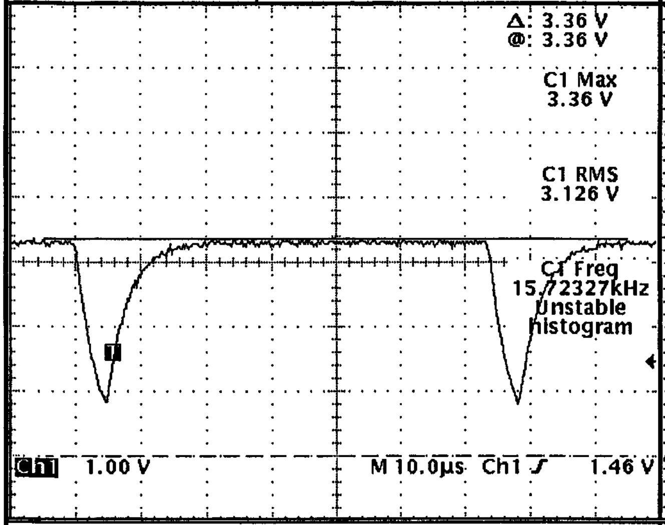
IC403 · 4 Pin		
No.152	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



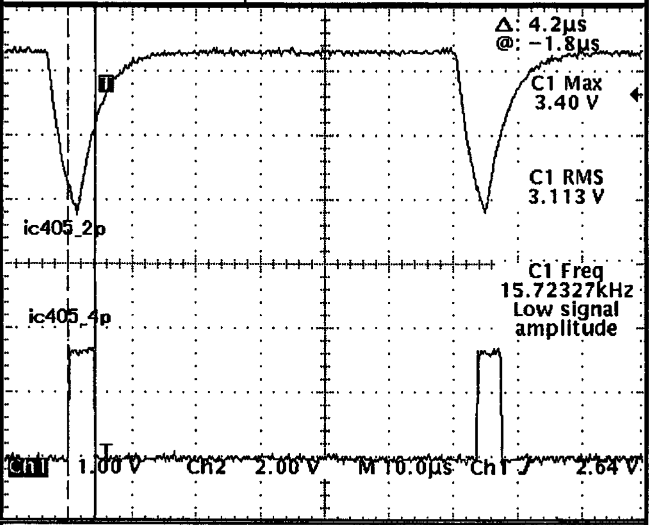
IC404 ·	4 Pin	
No.153	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



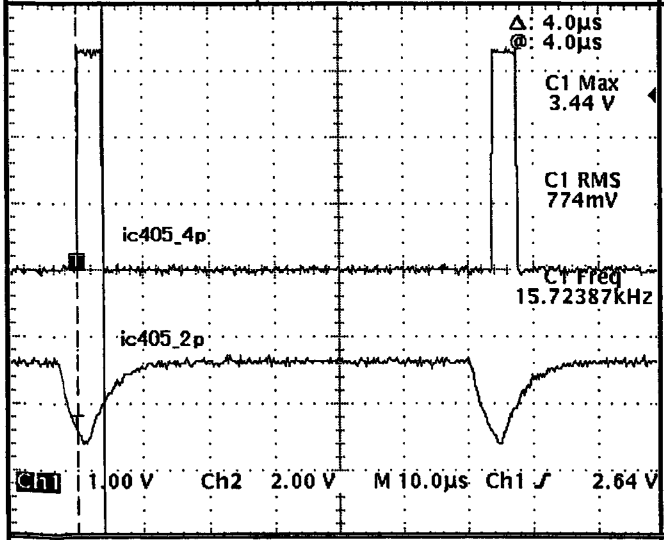
IC404 ·	4 Pin	
No.154	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



IC405 ·	2 Pin	
No.155	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div

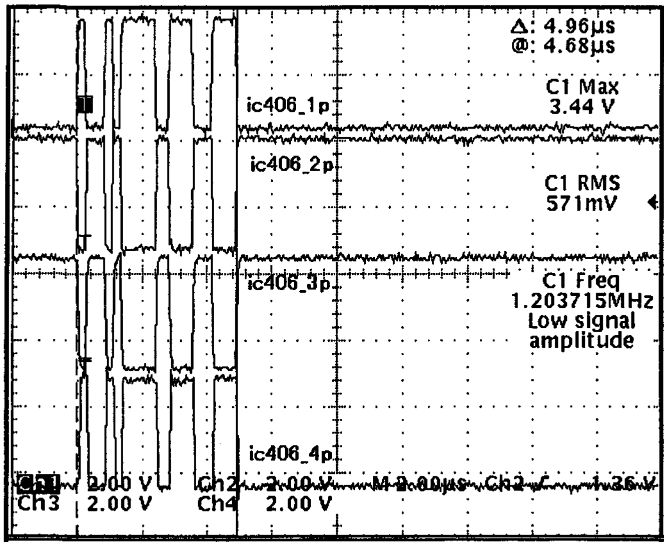


IC405 ·	2 Pin	
No.156	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div

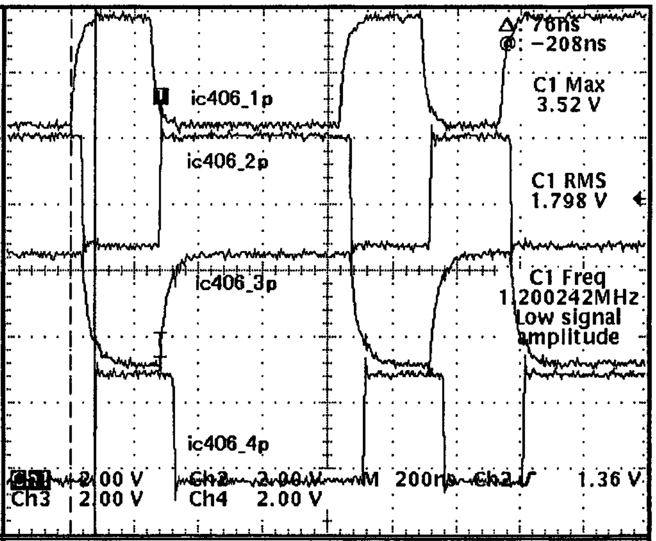


IC405 ·	4 Pin	
No.157	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div

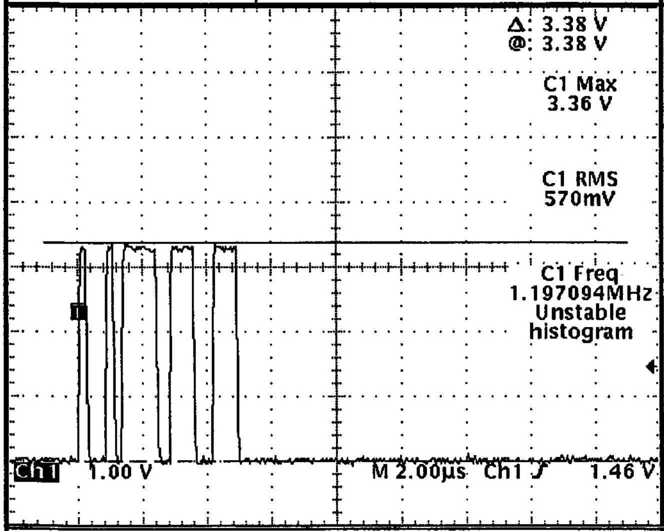
IC ·	Pin	
No.	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



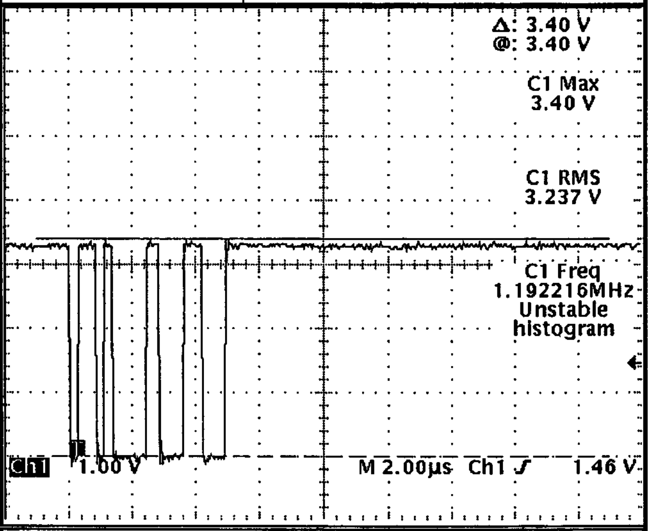
IC406 ·	1 Pin	
No.158	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



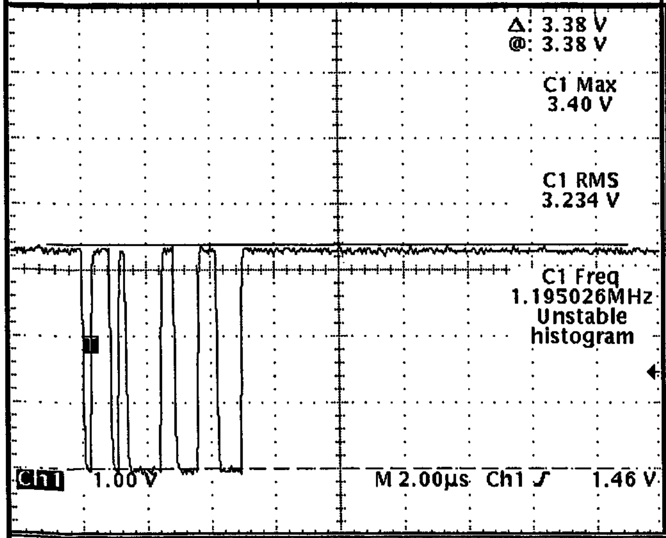
IC406 ·	1 Pin	
No.159	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



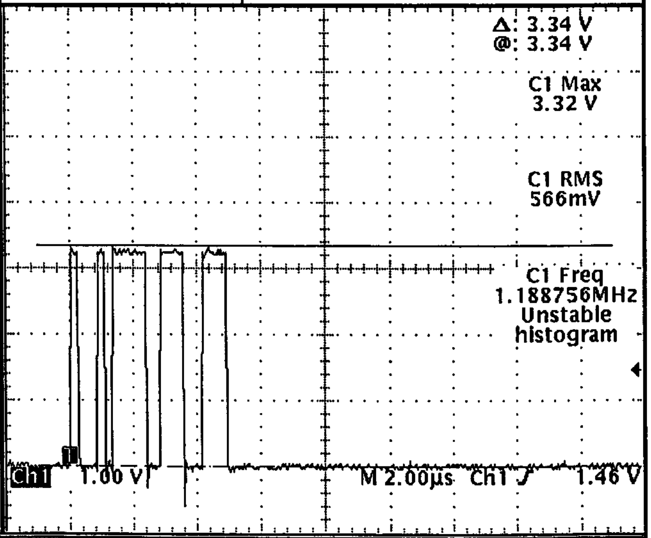
IC406 ·	1 Pin	
No.160	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



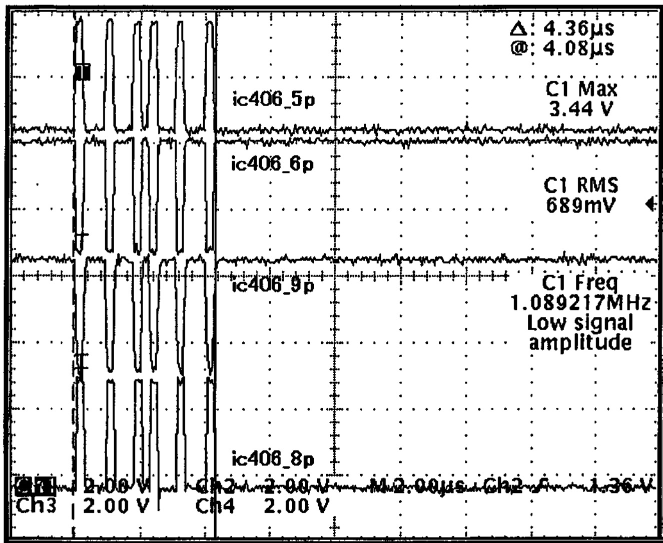
IC406 ·	2 Pin	
No.161	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



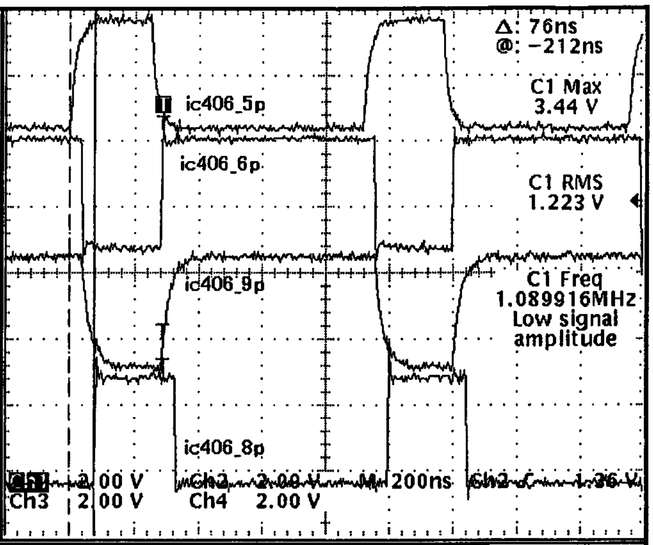
IC406 ·	3 Pin	
No.162	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



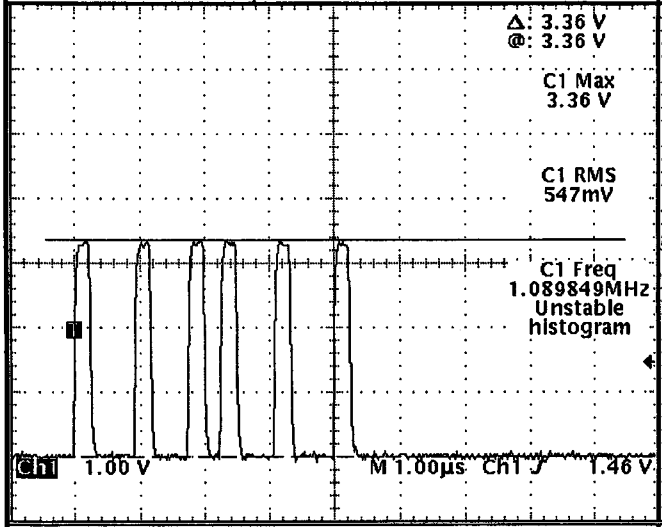
IC406 ·	4 Pin	
No.163	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



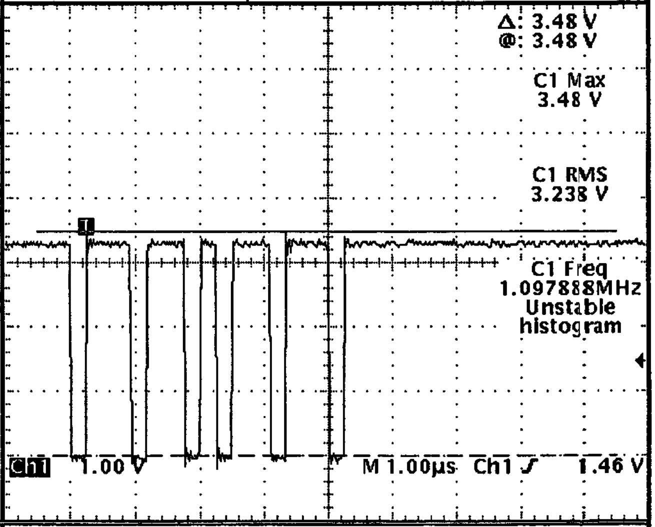
IC406 · 5 Pin		
No.164	Volt/Div=	V/Div
DC・AC	Time/Div=	S/Div



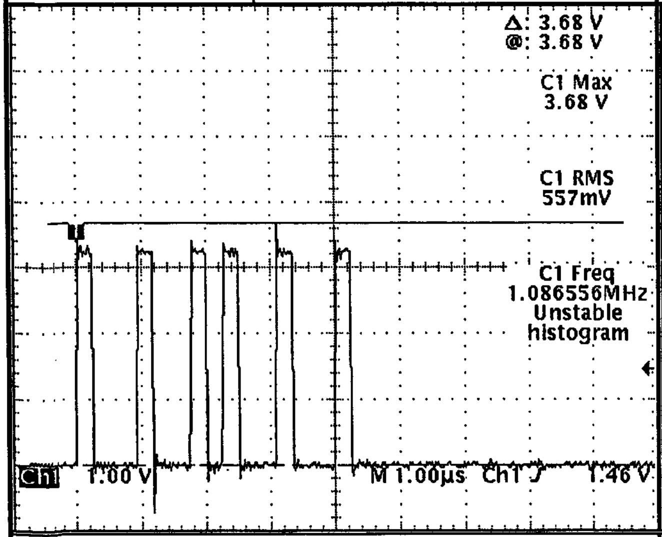
IC406 · 5 Pin		
No.165	Volt/Div=	V/Div
DC・AC	Time/Div=	S/Div



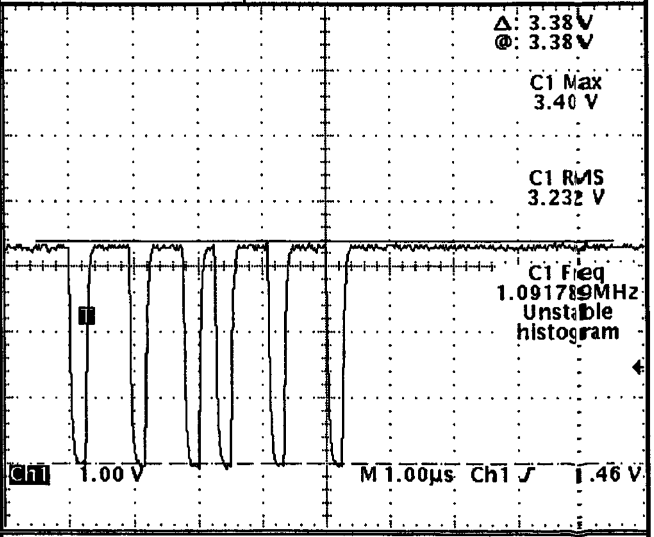
IC406 · 5 Pin		
No.166	Volt/Div=	V/Div
DC・AC	Time/Div=	S/Div



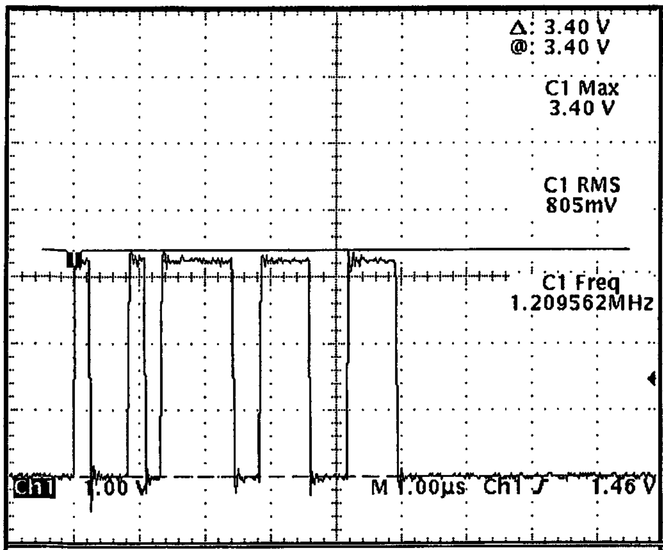
IC406 · 6 Pin		
No.167	Volt/Div=	V/Div
DC・AC	Time/Div=	S/Div



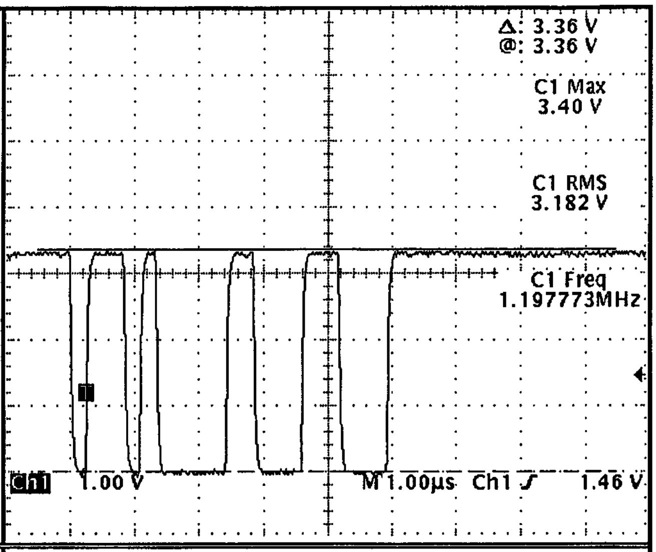
IC406 · 8 Pin		
No.168	Volt/Div=	V/Div
DC・AC	Time/Div=	S/Div



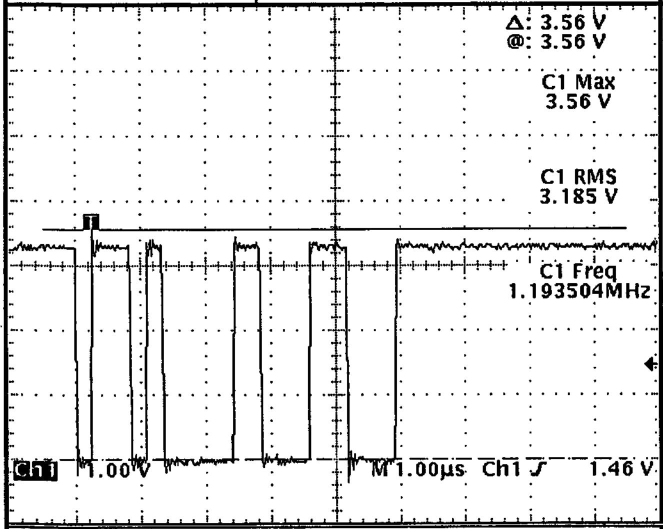
IC406 · 9 Pin		
No.169	Volt/Div=	V/Div
DC・AC	Time/Div=	S/Div



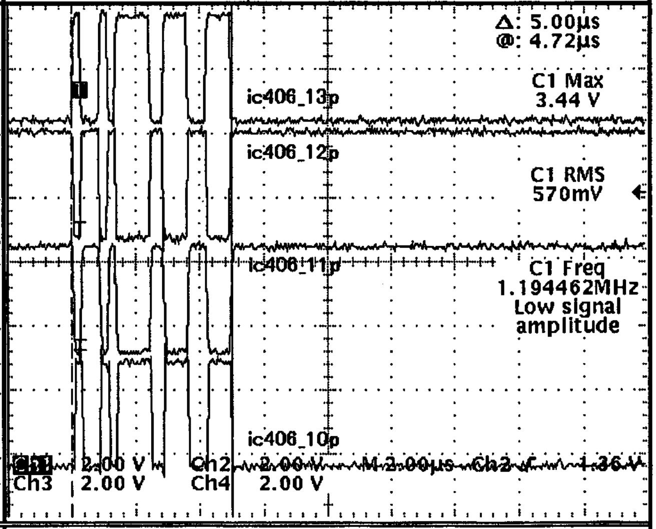
IC406 · 10 Pin		
No.170	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



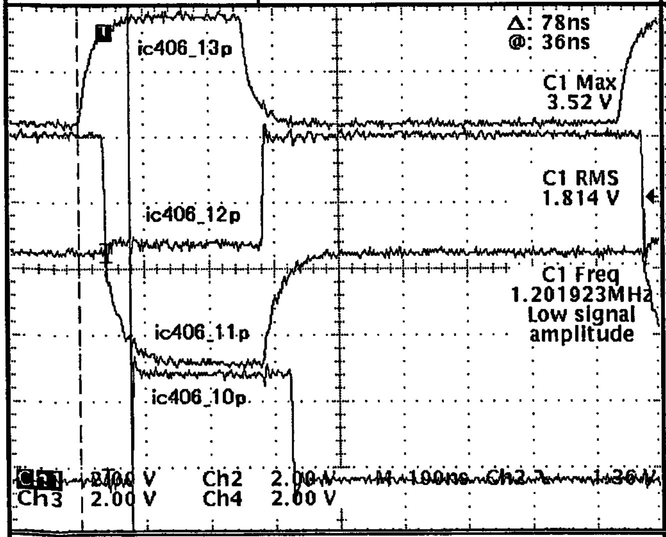
IC406 · 11 Pin		
No.171	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



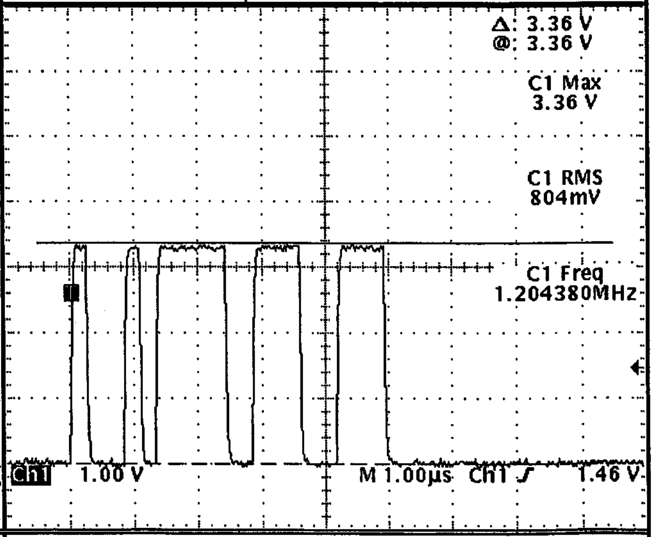
IC406 · 12 Pin		
No.172	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



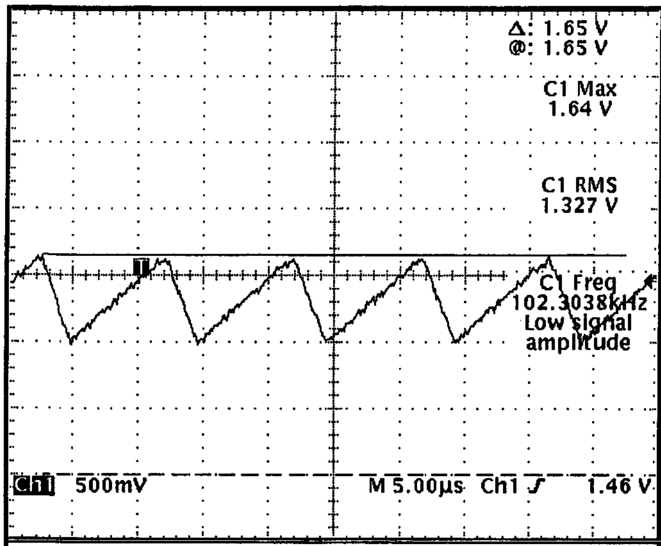
IC406 · 13 Pin		
No.173	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



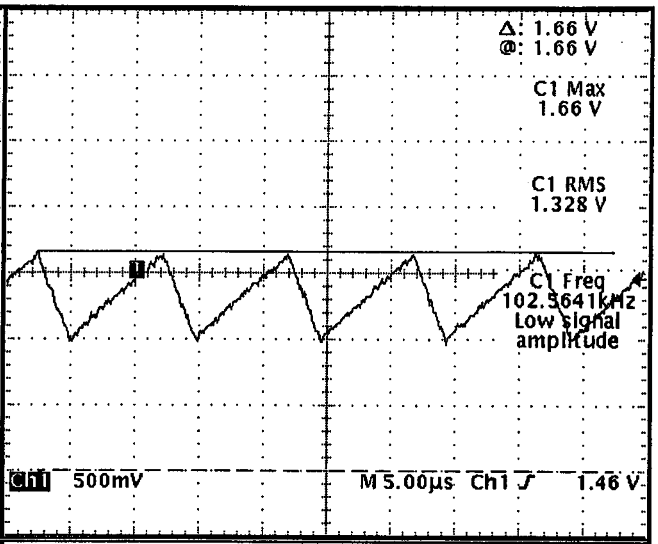
IC406 · 13 Pin		
No.174	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



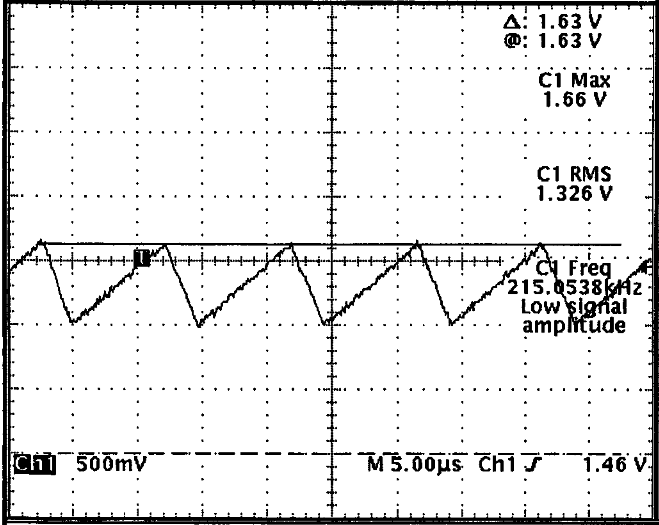
IC406 · 13 Pin		
No.175	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



IC502 ·	4 Pin	
No.176	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div

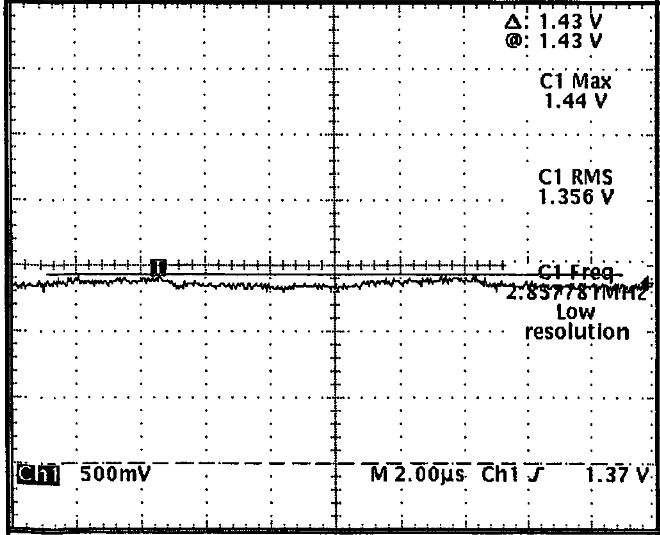


IC502 ·	4 Pin	
No.177	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div

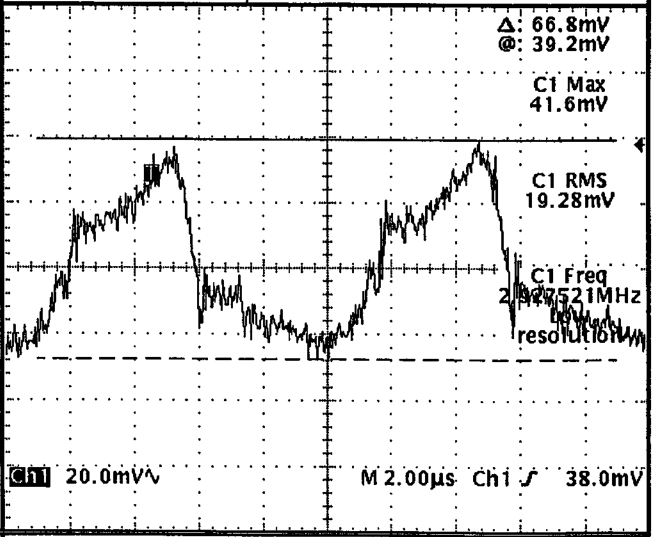


IC502 ·	4 Pin	
No.178	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div

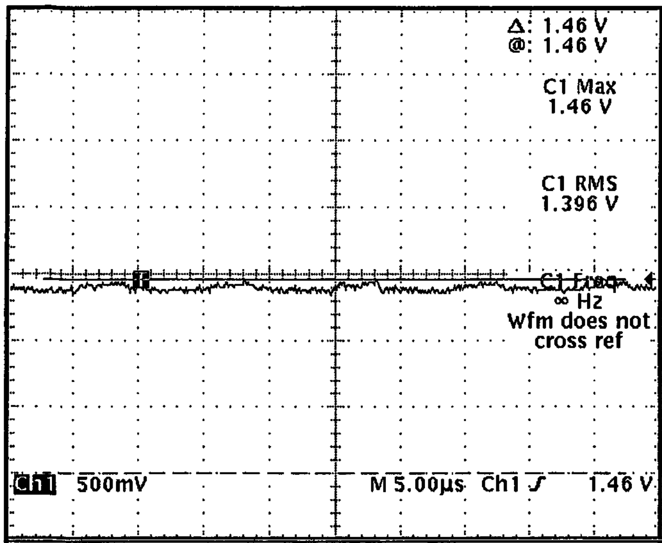
IC ·	Pin	
No.	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



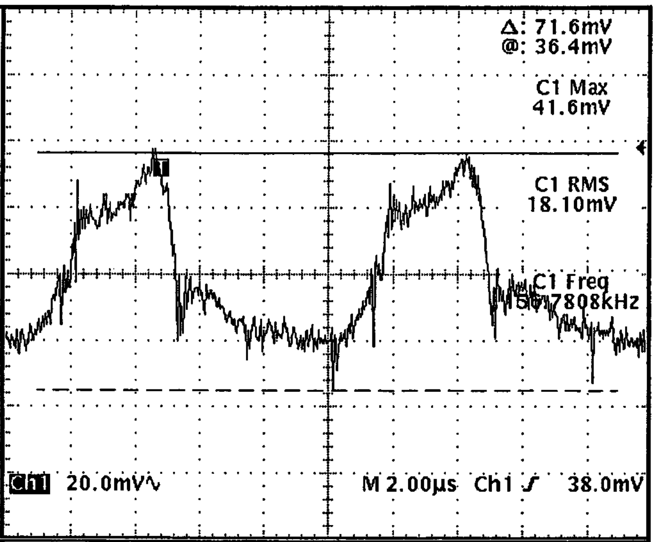
IC502 ·	6 Pin	
No.179	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



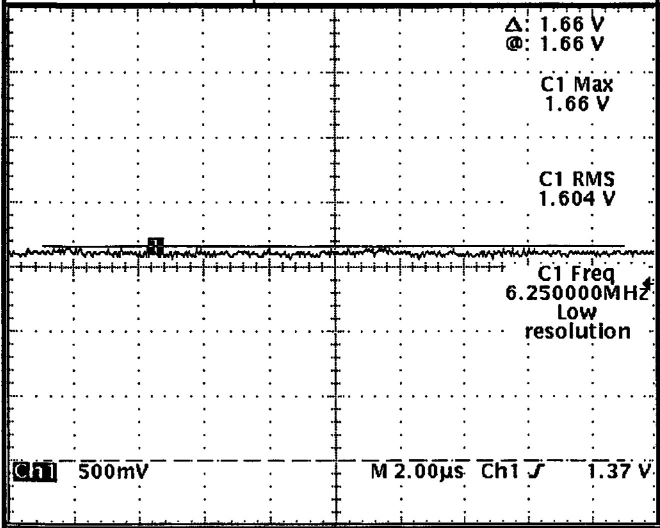
IC502 ·	6 Pin	
No.180	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



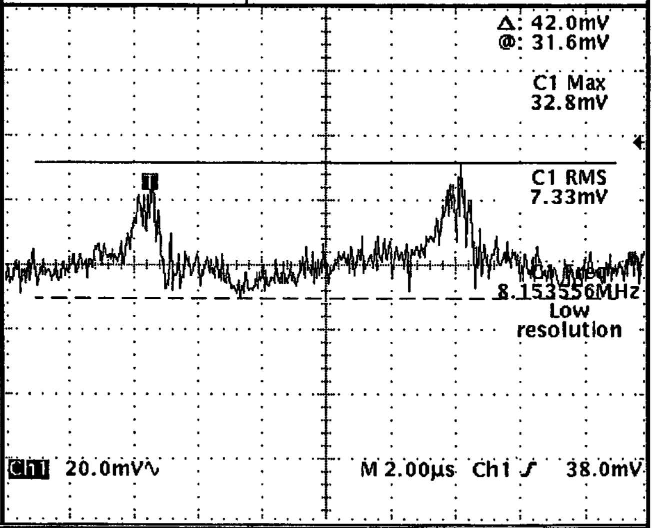
IC502 ·	6 Pin	
No.181	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



IC502 ·	6 Pin	
No.182	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



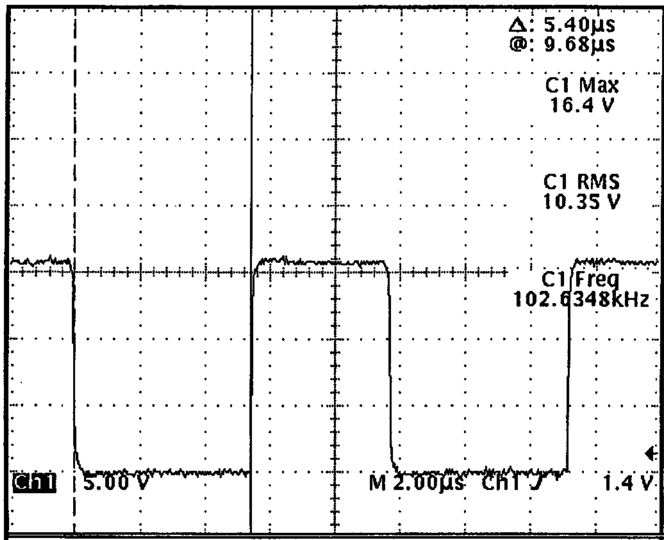
IC502 ·	6 Pin	
No.183	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



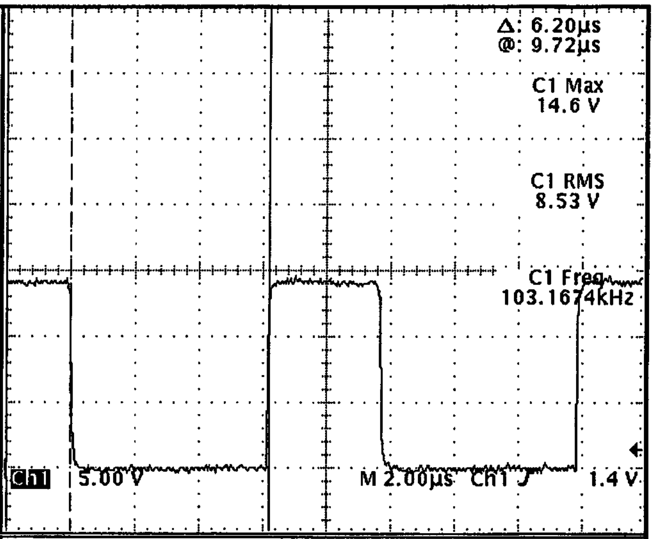
IC502 ·	6 Pin	
No.184	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div

IC ·	Pin	
No.	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div

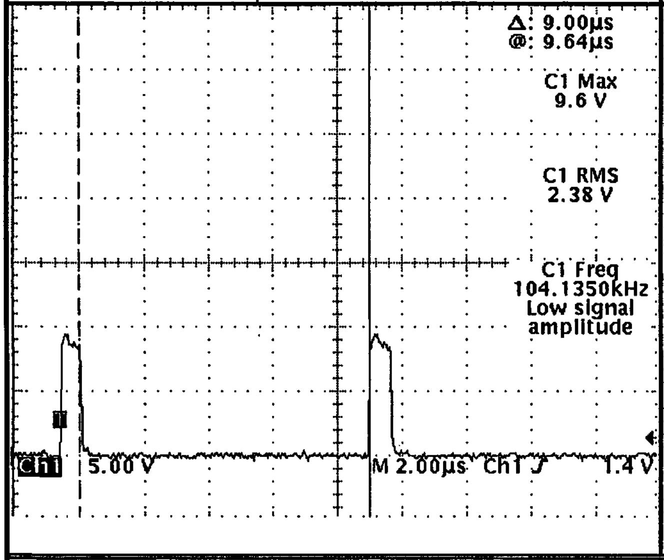
IC ·	Pin	
No.	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



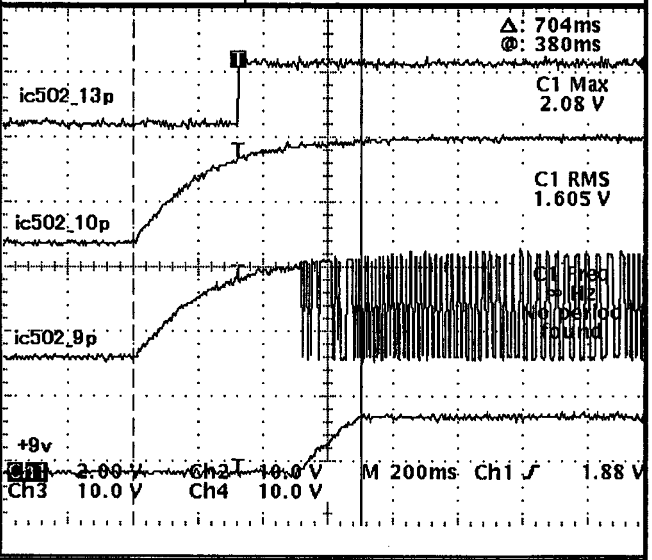
IC502	·	9 Pin
No.185	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



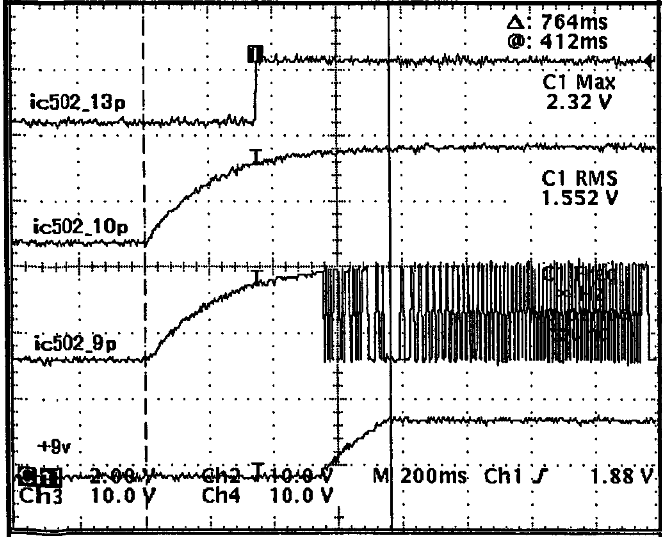
IC502	·	9 Pin
No.186	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



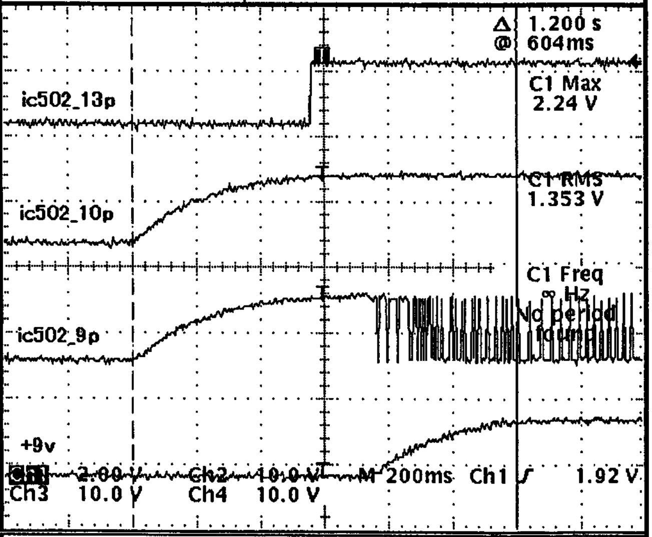
IC502	·	9 Pin
No.187	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



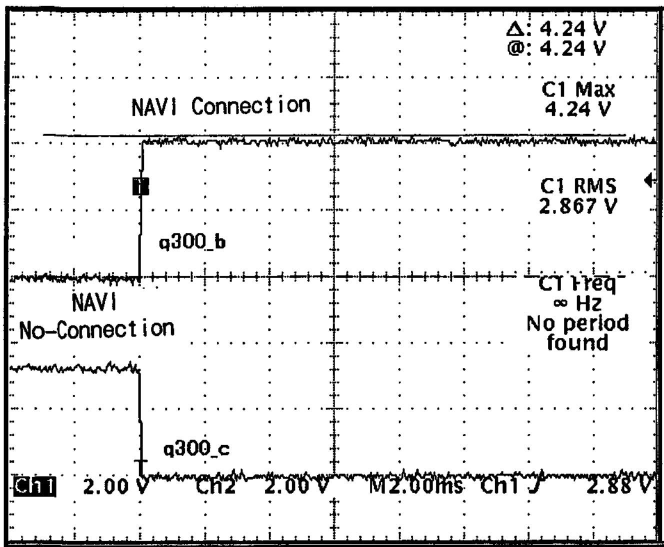
IC502	·	13 Pin
No.188	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



IC502	·	13 Pin
No.189	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



IC502	·	13 Pin
No.190	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div

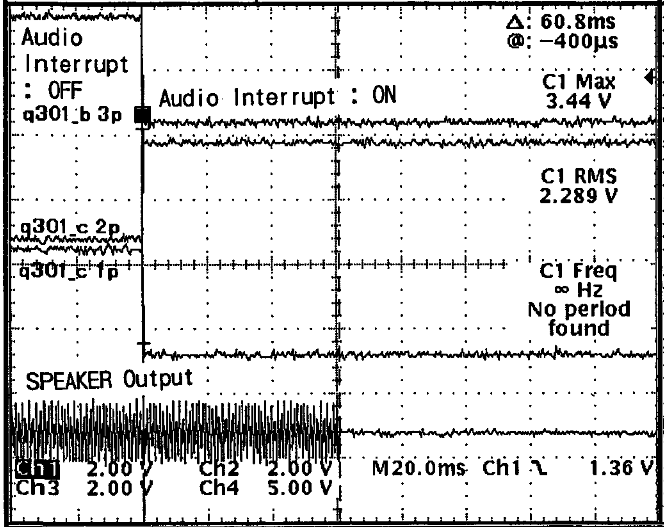


Q300 · 1 Pin(B)

No.191	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div

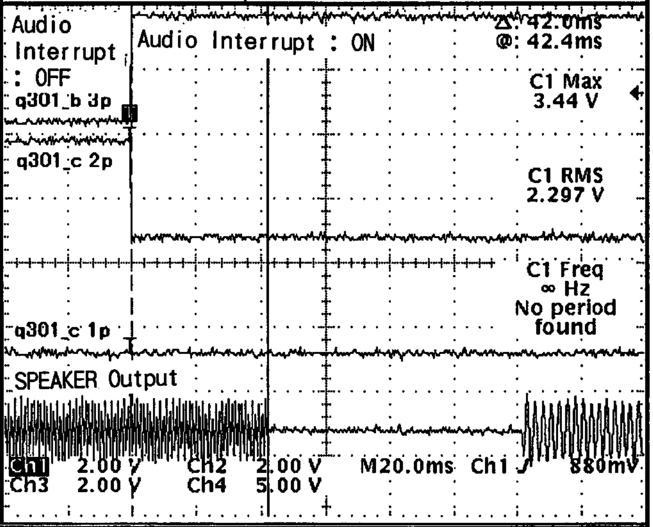
·

No.	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



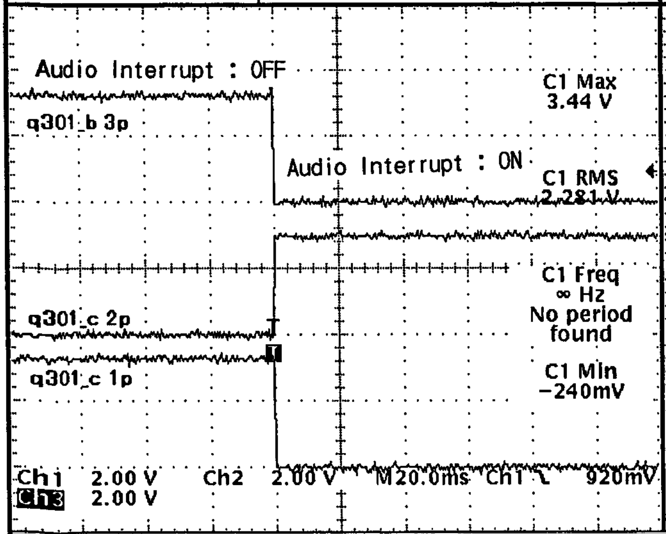
Q301 · 1 Pin(C)

No.192	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



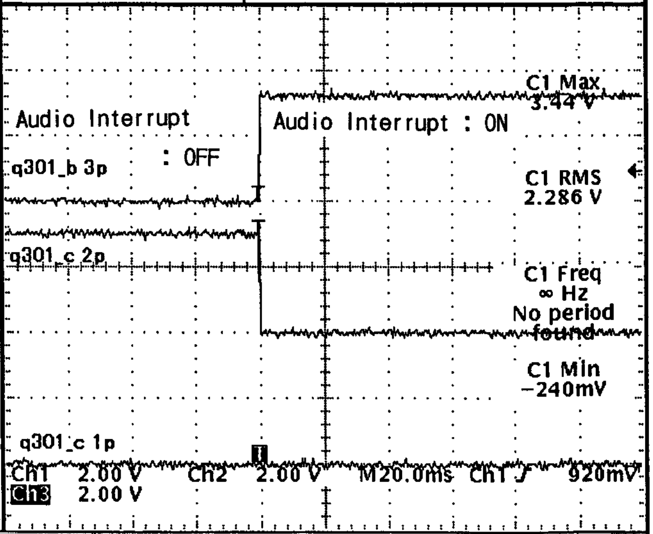
Q301 · 2 Pin(~~B~~ · C · ~~E~~)

No.193	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



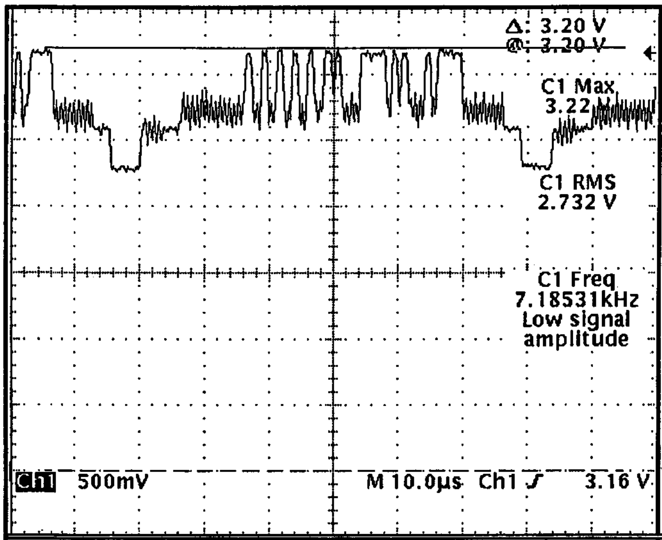
Q301 · 3 Pin(B)

No.194	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div

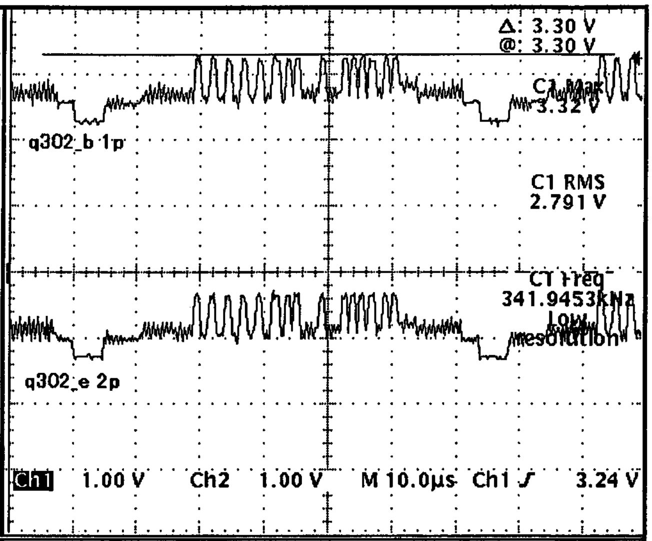


Q301 · 3Pin(B)

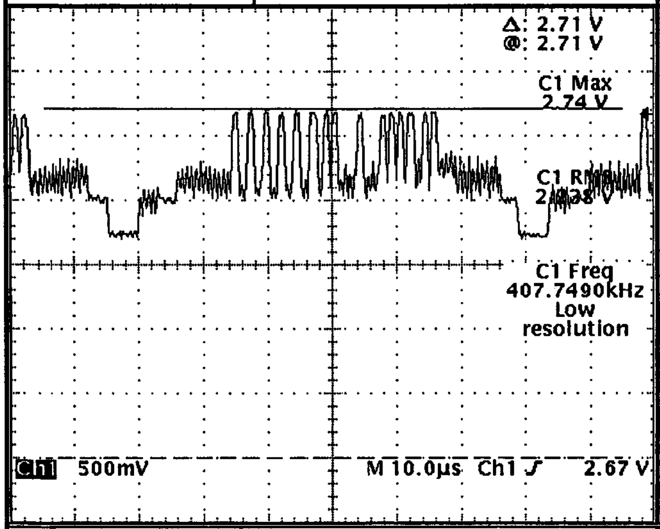
No.195	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



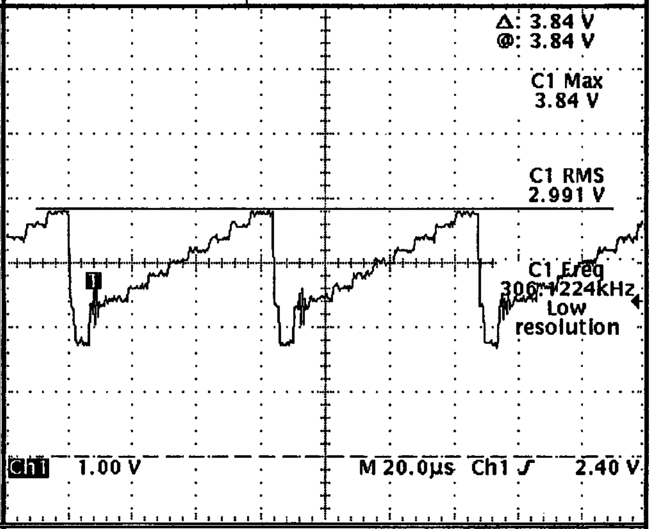
Q302 · 1 Pin(B)		
No.196	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



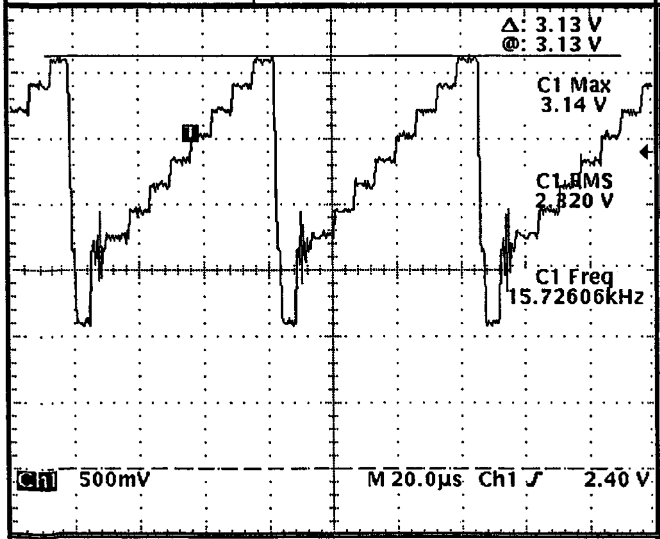
Q302 · 1 Pin(B)		
No.197	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



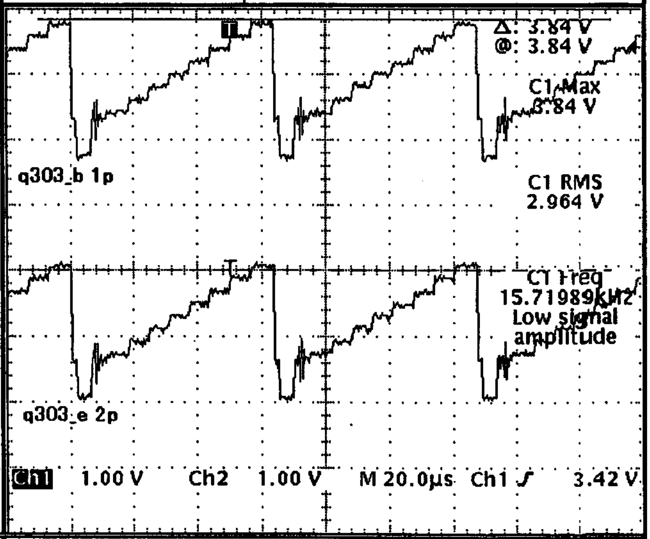
Q302 · 2 Pin(E)		
No.198	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



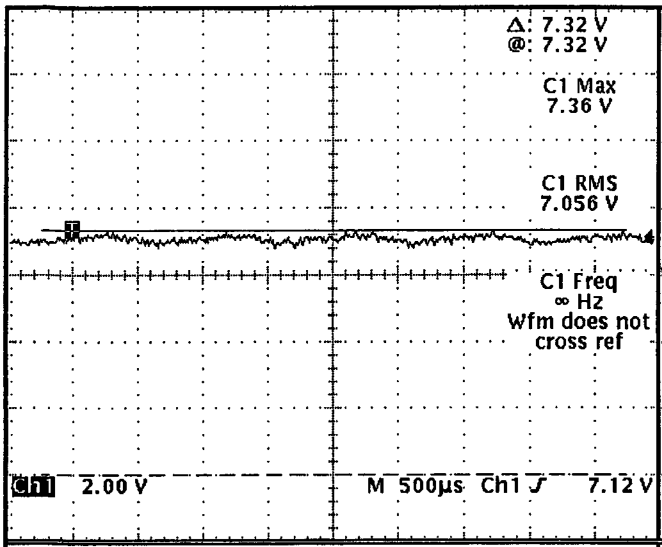
Q303 · 1 Pin(B)		
No.199	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



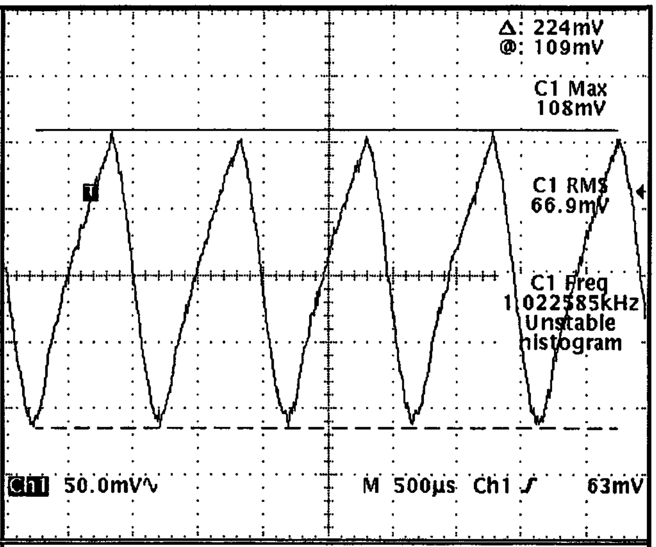
Q303 · 2 Pin(E)		
No.200	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



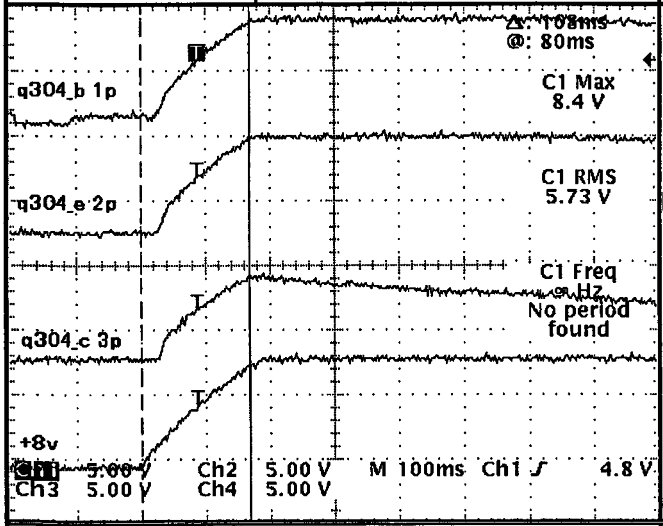
Q303 · 2 Pin(E)		
No.201	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



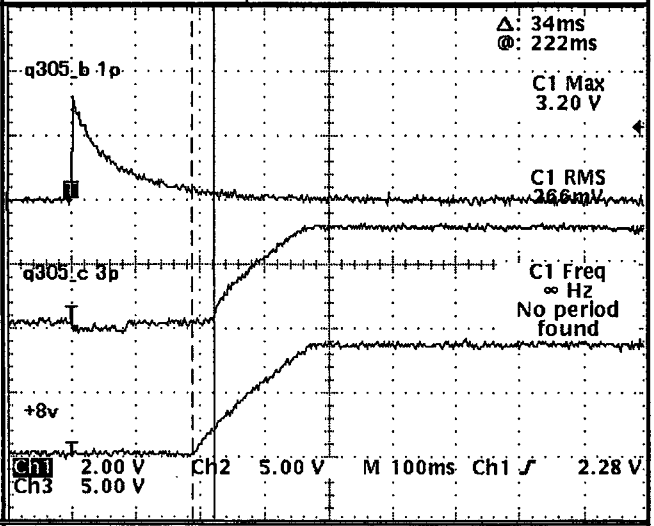
Q304 · 1 Pin(B)		
No.202	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



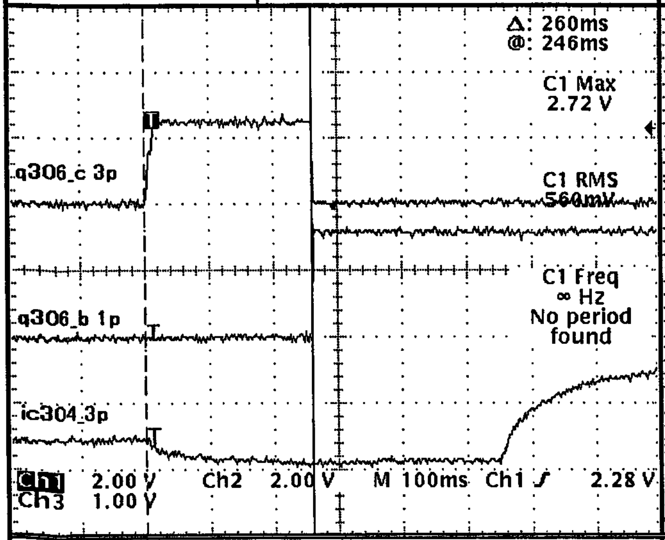
Q304 · 1 Pin(B)		
No.203	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



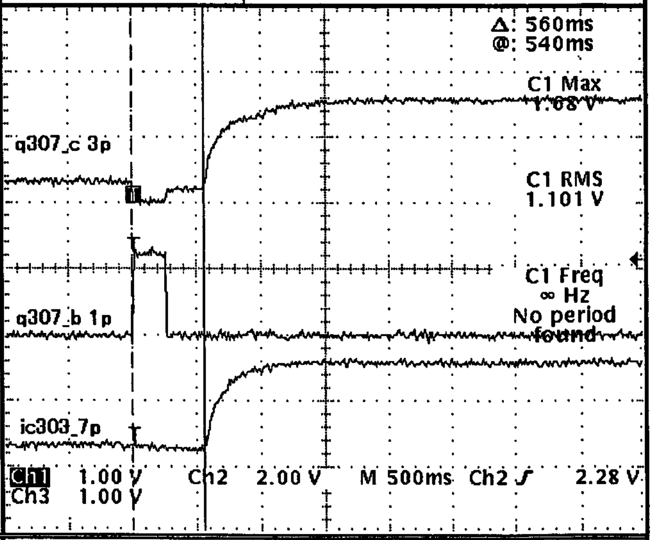
Q304 · 1 Pin(B)		
No.204	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



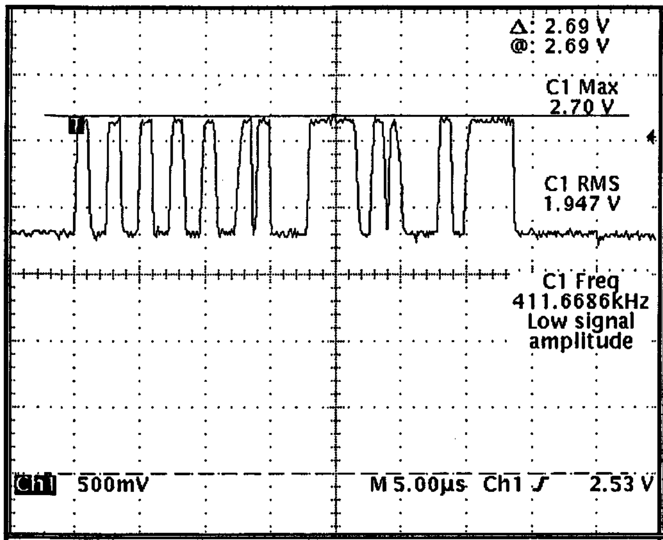
Q305 · 1 Pin(B)		
No.205	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



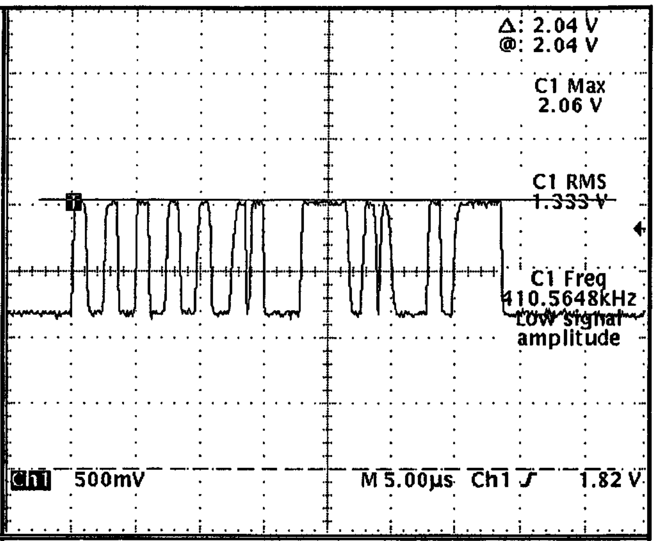
Q306 · 3 Pin(C)		
No.206	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



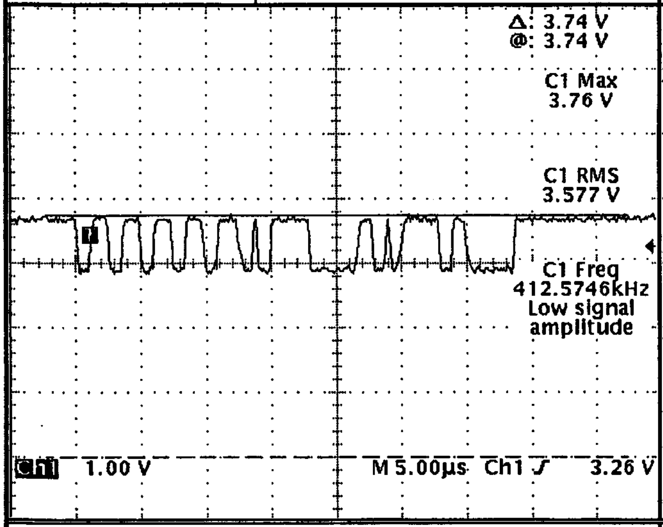
Q307 · 3 Pin(C)		
No.207	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



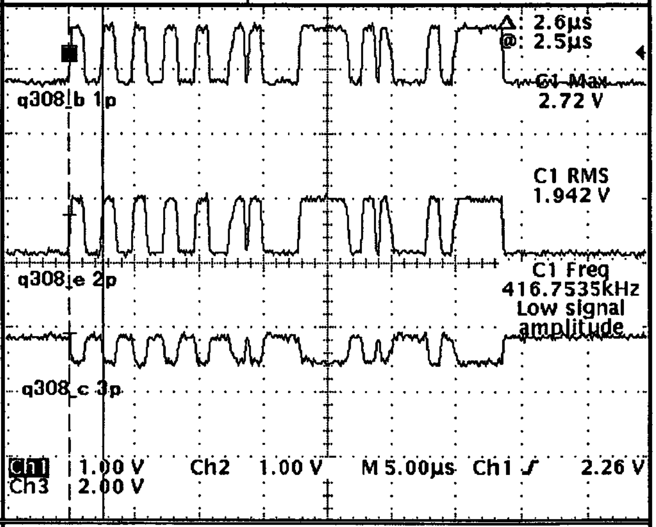
Q308 ·	1 Pin(B)	
No.208	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



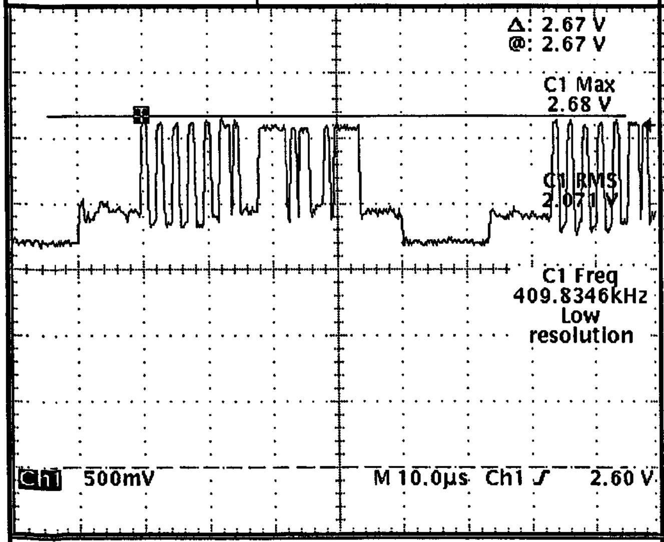
Q308 ·	2 Pin(E)	
No.209	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



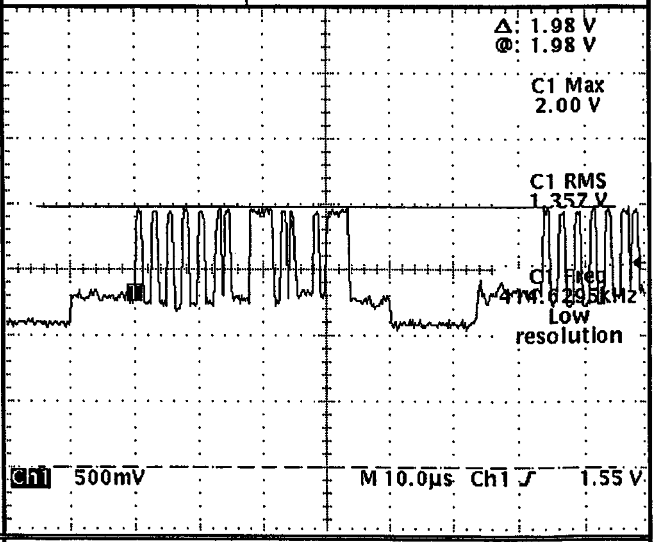
Q308 ·	3 Pin(C)	
No.210	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



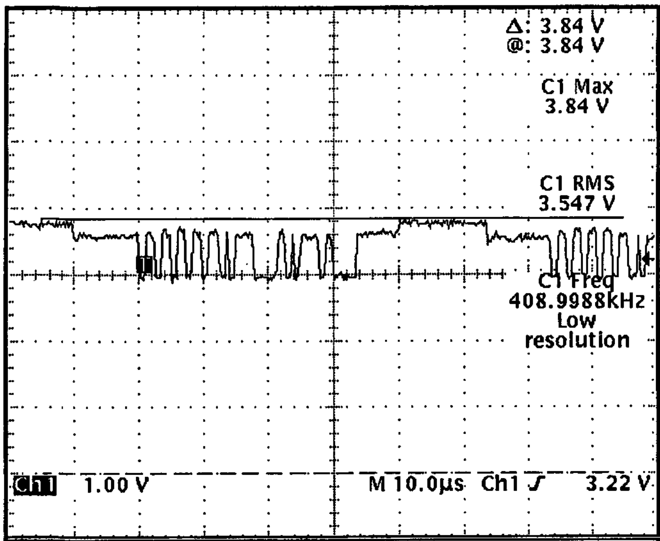
Q308 ·	3 Pin(C)	
No.211	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



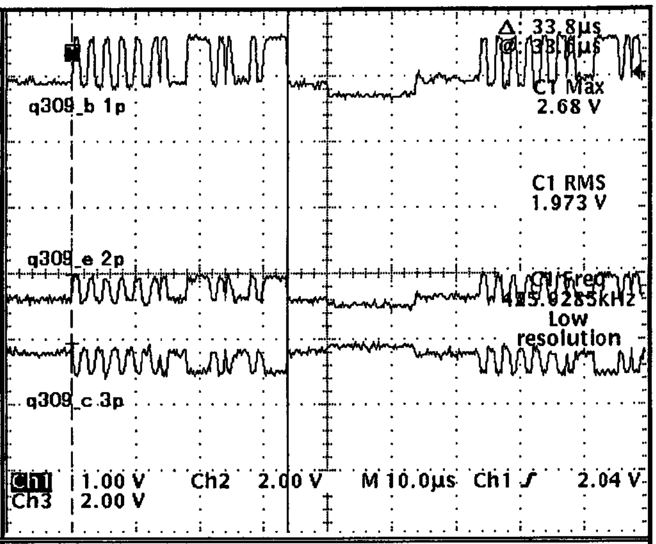
Q309 ·	1 Pin(B)	
No.212	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



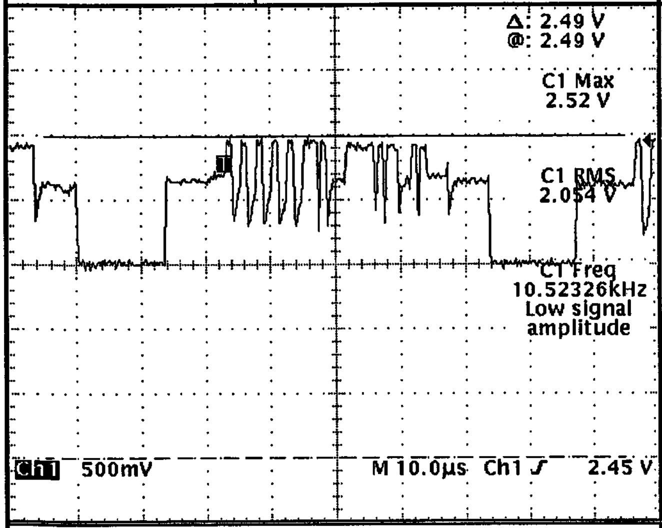
Q309 ·	2 Pin(E)	
No.213	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



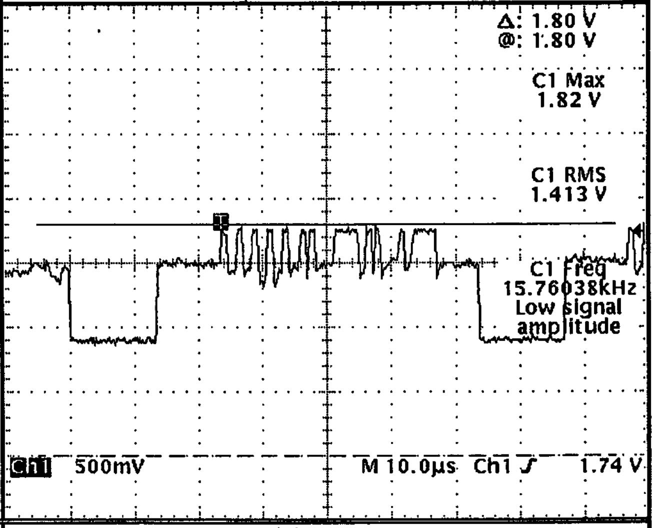
Q309 · 3 Pin(C)		
No.214	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



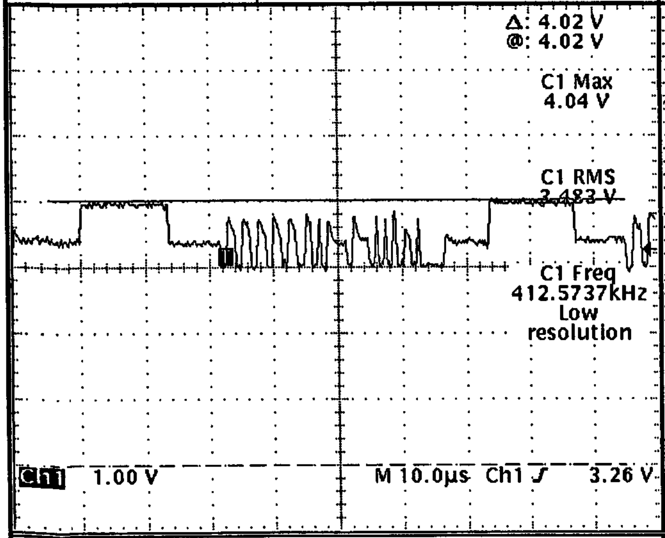
Q309 · 3 Pin(C)		
No.215	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



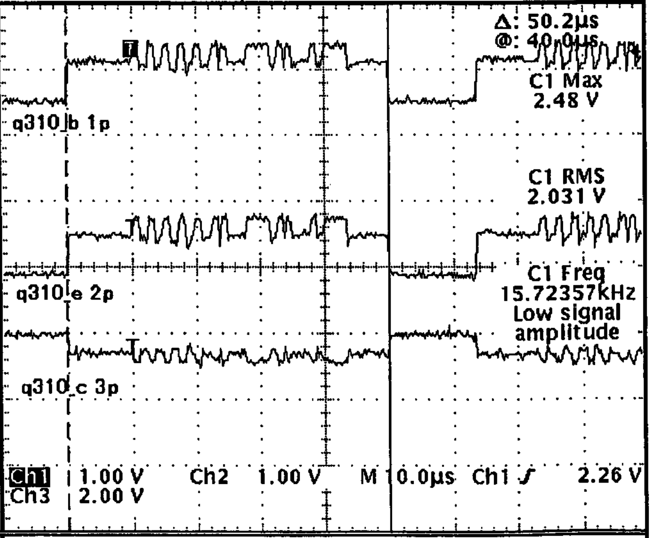
Q310 · 1 Pin(B)		
No.216	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



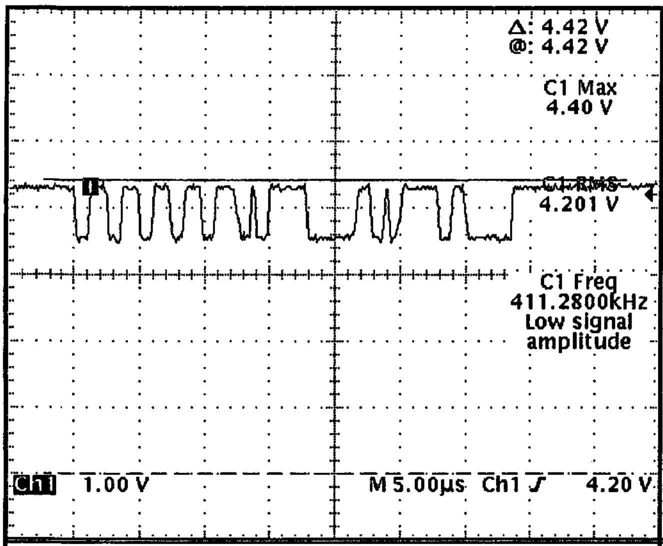
Q310 · 2 Pin(E)		
No.217	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



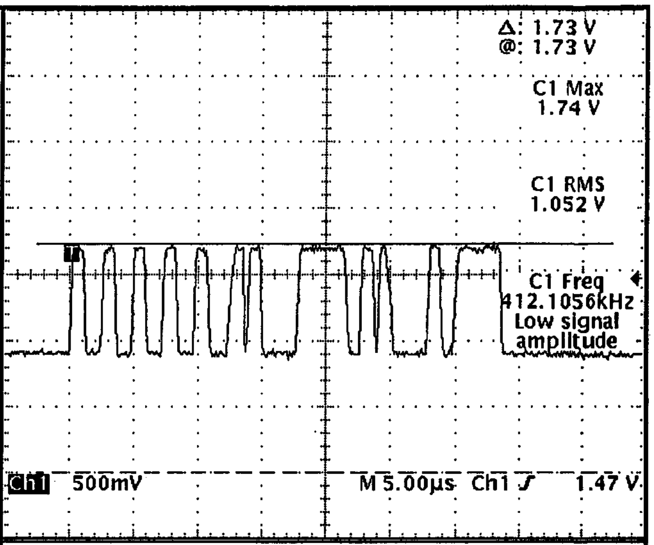
Q310 · 3 Pin(C)		
No.218	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



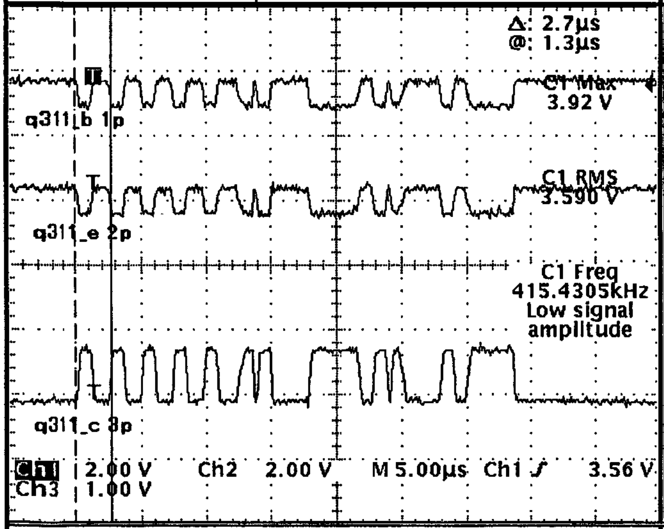
Q310 · 3 Pin(C)		
No.219	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



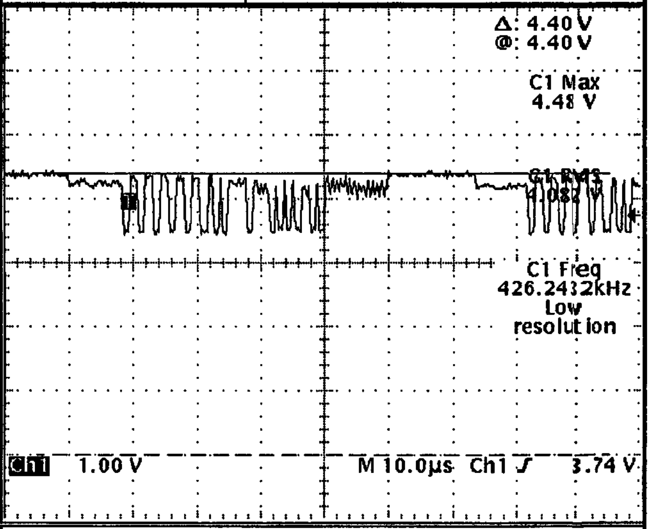
Q311 · 2 Pin(E)		
No.220	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



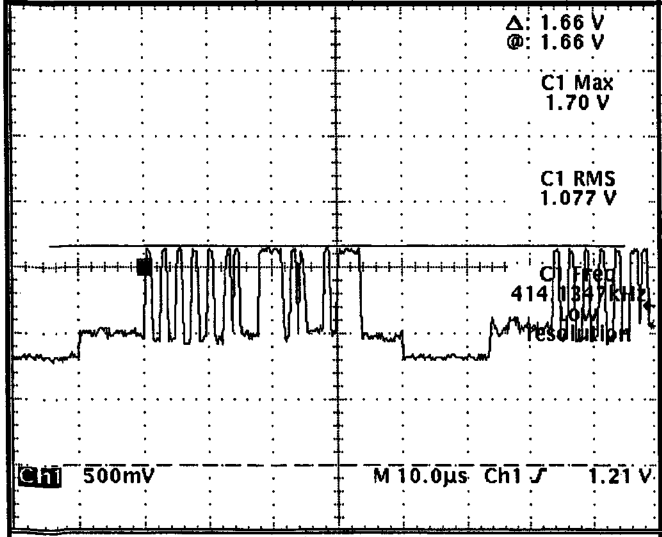
Q311 · 3 Pin(C)		
No.221	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



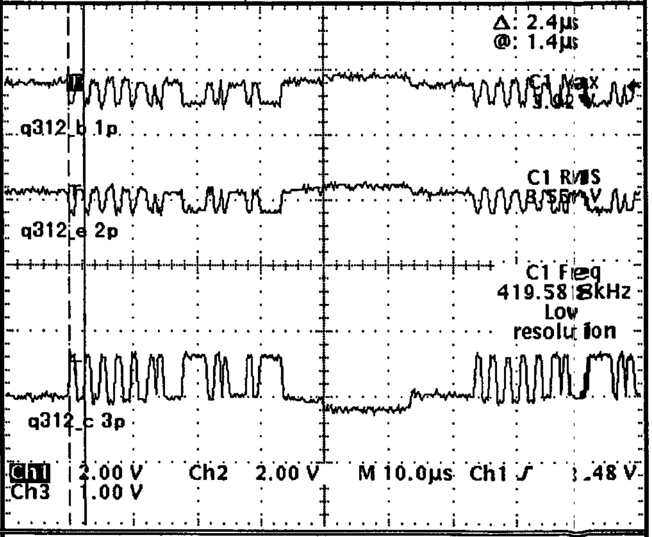
Q311 · 3 Pin(C)		
No.222	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



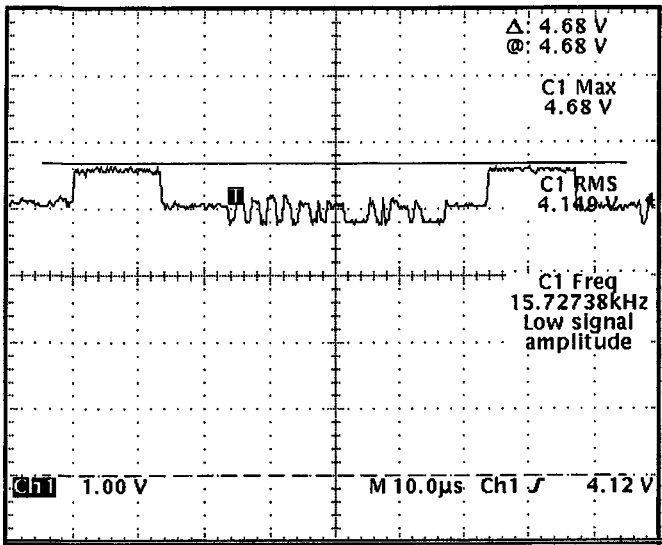
Q312 · 2 Pin(E)		
No.223	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



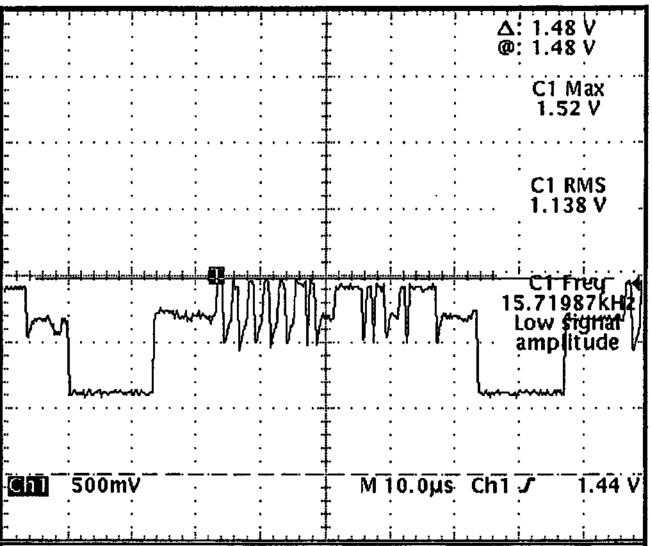
Q312 · 3 Pin(C)		
No.224	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



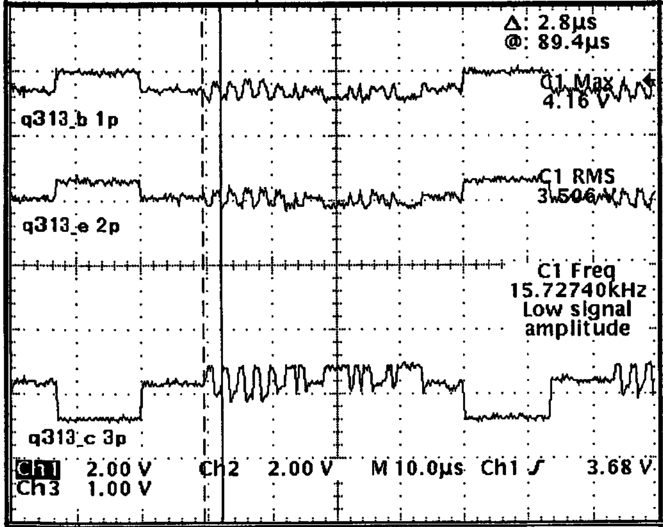
Q312 · 3 Pin(C)		
No.225	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



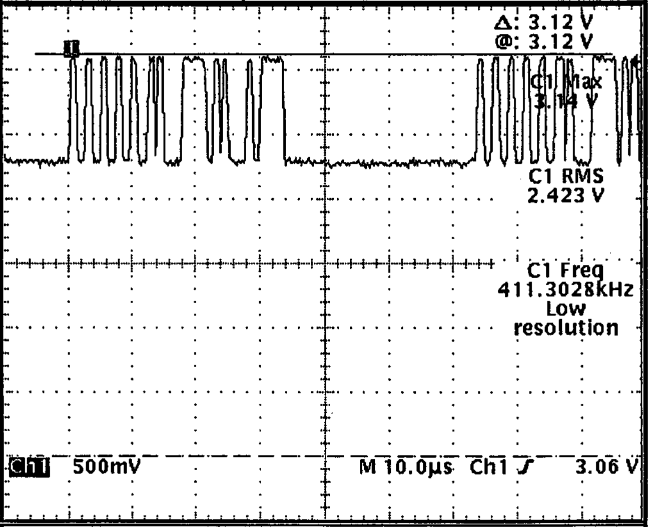
Q313 ·	2 Pin(E)	
No.226	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



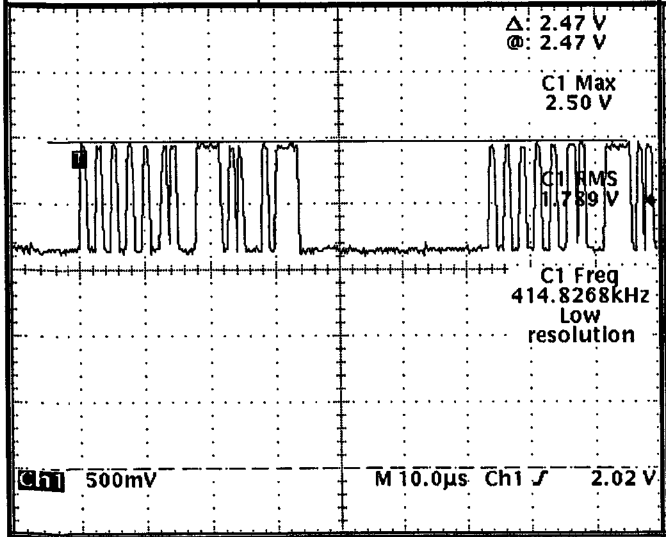
Q313 ·	3 Pin(C)	
No.227	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



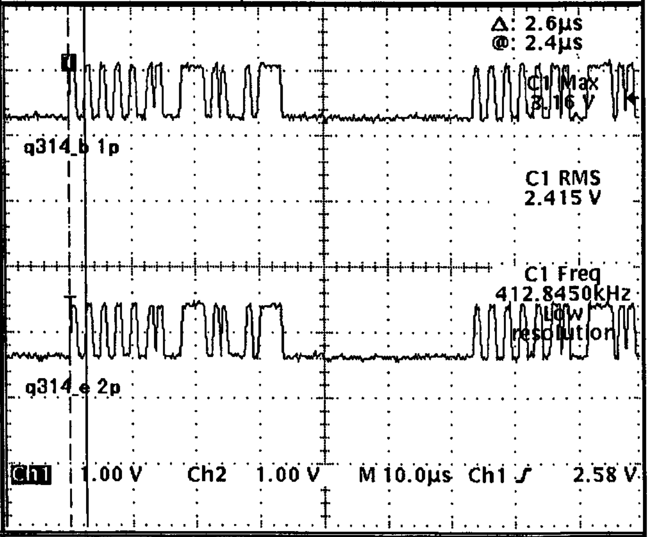
Q313 ·	3 Pin(C)	
No.228	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



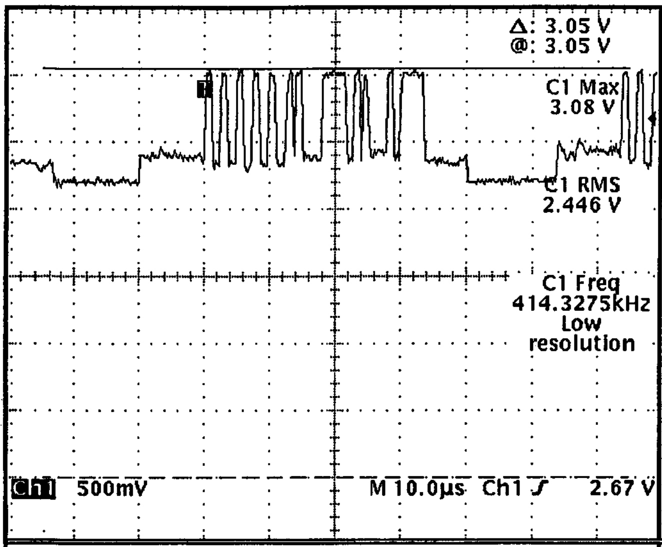
Q314 ·	1 Pin(B)	
No.229	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



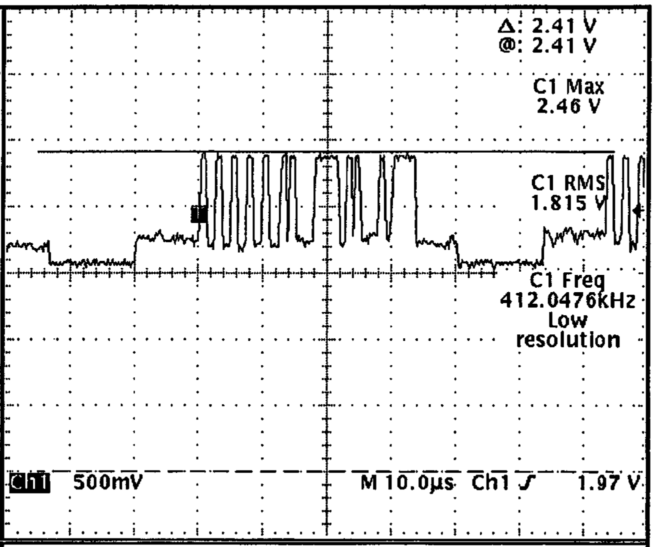
Q314 ·	2 Pin(E)	
No.230	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



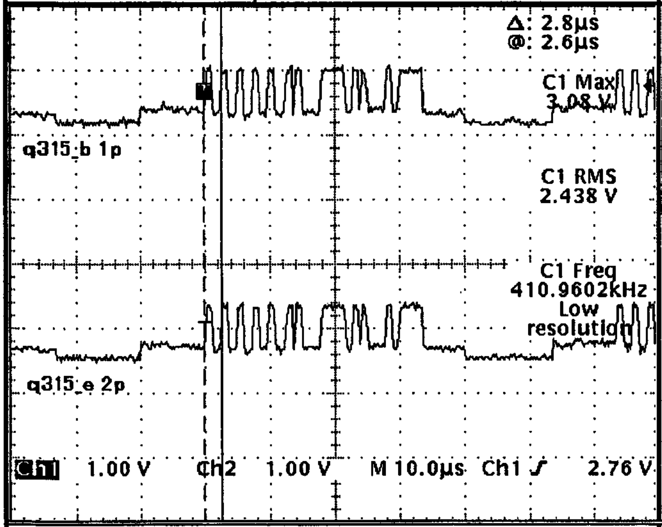
Q314 ·	2 Pin(E)	
No.231	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



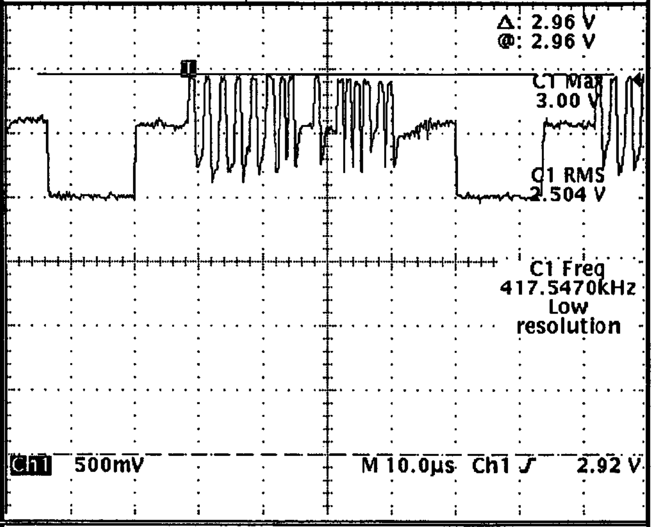
Q315 · 1 Pin(B)		
No.232	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



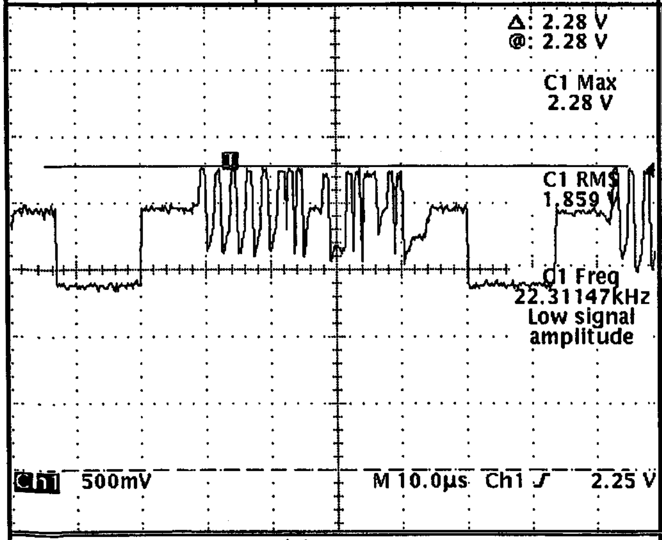
Q315 · 2 Pin(E)		
No.233	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



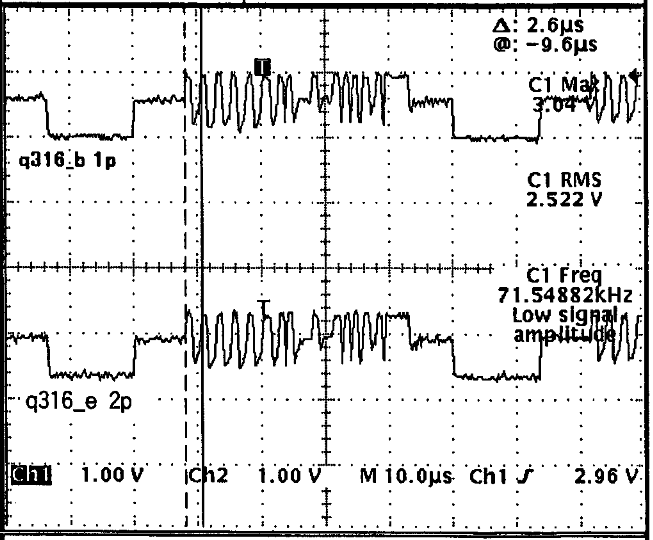
Q315 · 2 Pin(E)		
No.234	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



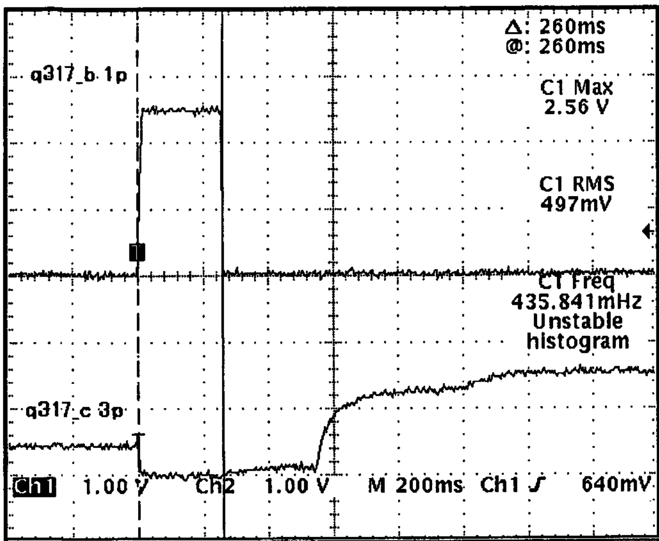
Q316 · 1 Pin(B)		
No.235	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



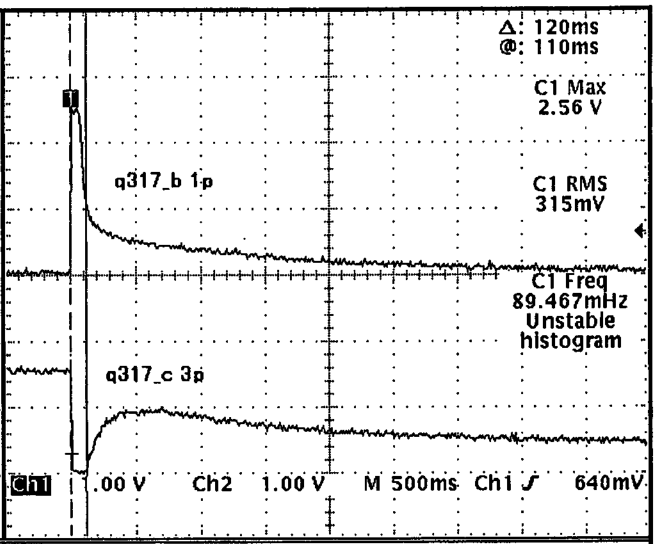
Q316 · 2 Pin(E)		
No.236	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



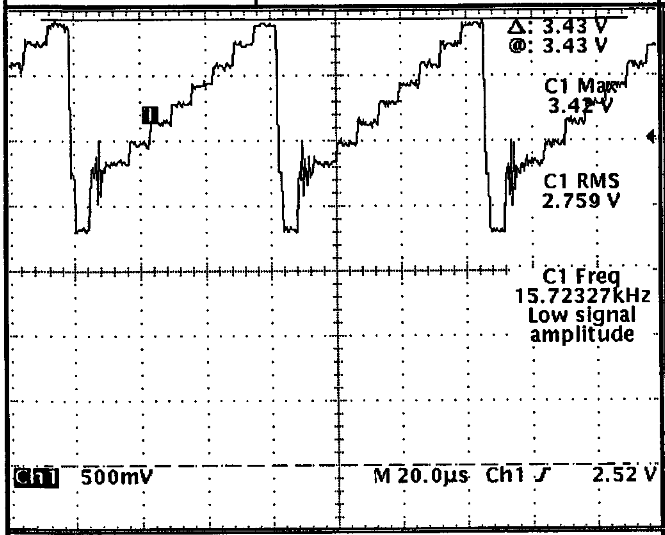
Q316 · 2 Pin(E)		
No.237	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



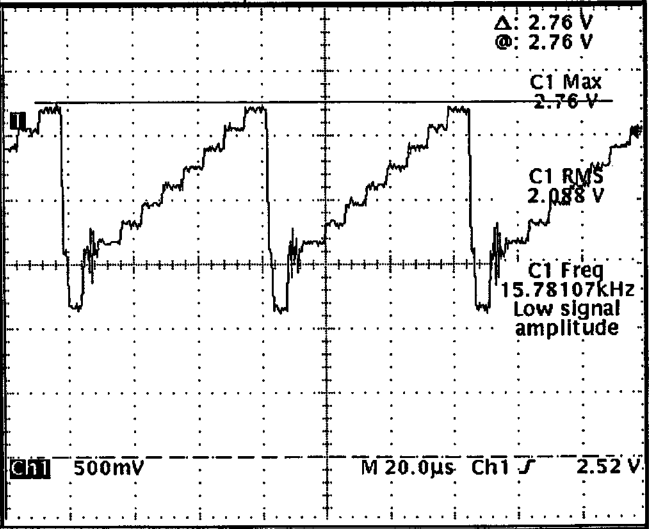
Q317 · 3 Pin(C)		
No.238	Volt/Div=	V/Div
DC・AC	Time/Div=	S/Div



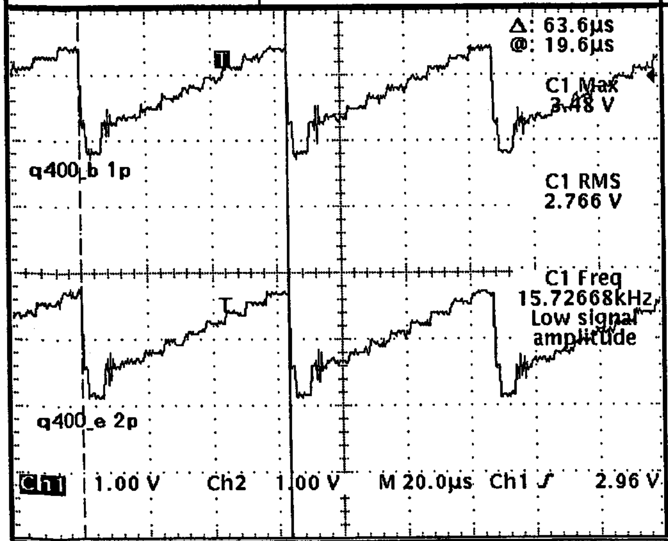
Q317 · 3 Pin(C)		
No.239	Volt/Div=	V/Div
DC・AC	Time/Div=	S/Div



Q400 · 1 Pin(B)		
No.240	Volt/Div=	V/Div
DC・AC	Time/Div=	S/Div



Q400 · 2 Pin(E)		
No.241	Volt/Div=	V/Div
DC・AC	Time/Div=	S/Div



Q400 · 2 Pin(E)		
No.242	Volt/Div=	V/Div
DC・AC	Time/Div=	S/Div

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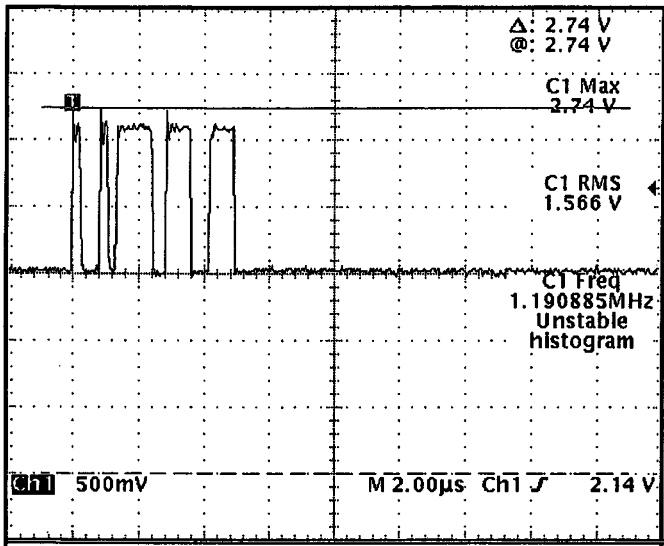
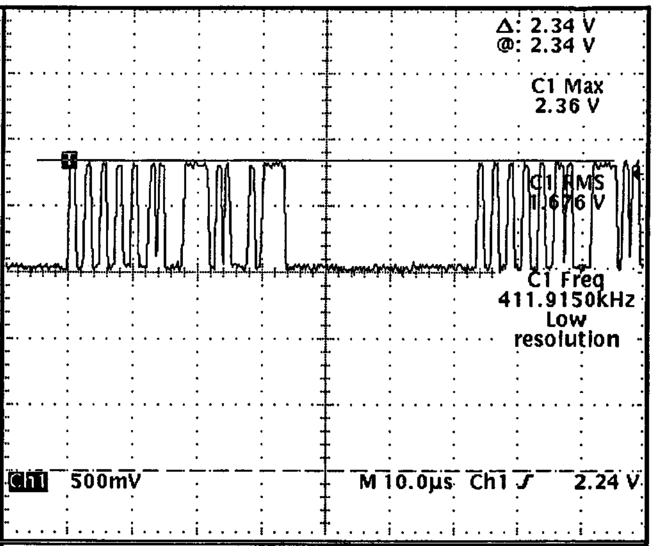
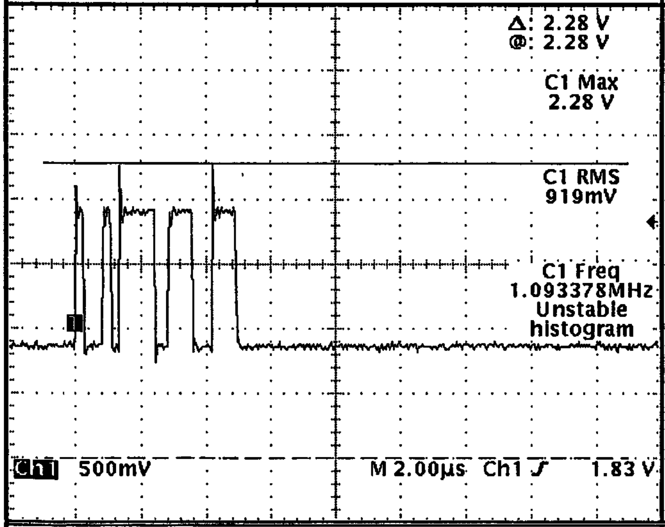
No.	Volt/Div=	V/Div
DC・AC	Time/Div=	S/Div



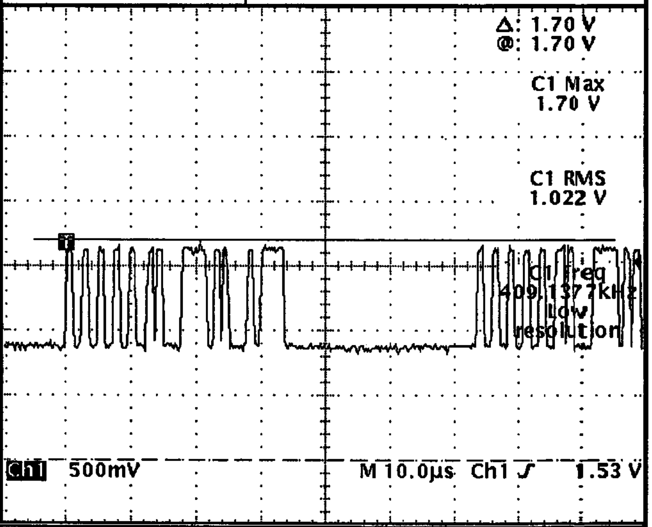
Q401 · 1 Pin(B)		
No.243	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



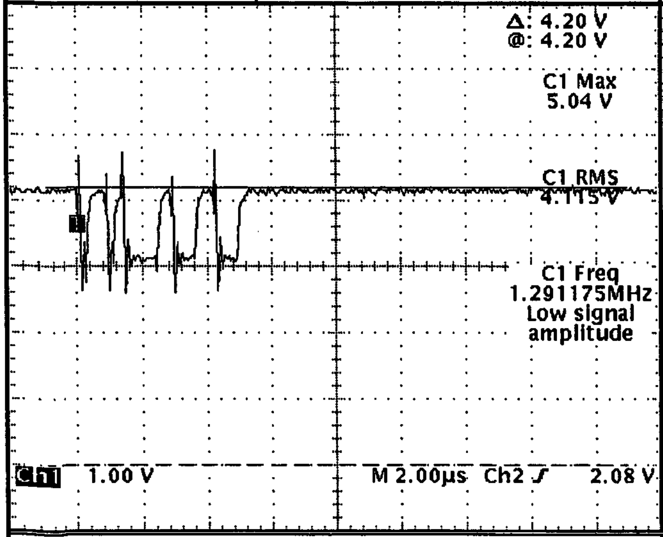
Q401 · 1 Pin(B)		
No.244	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



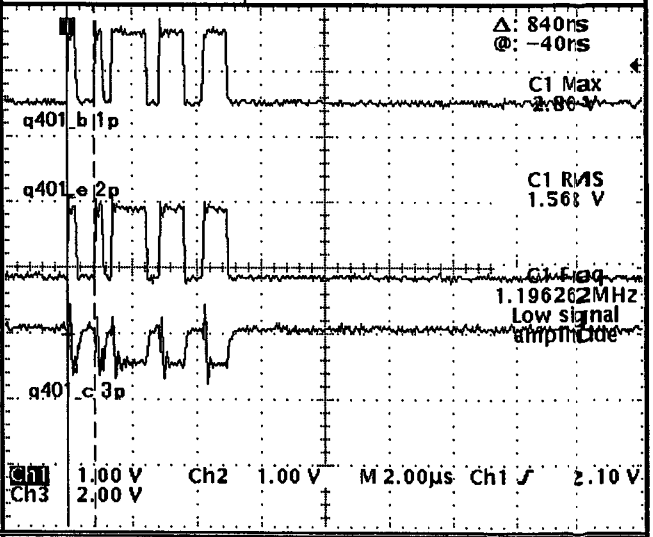
Q401 · 2 Pin(E)		
No.245	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



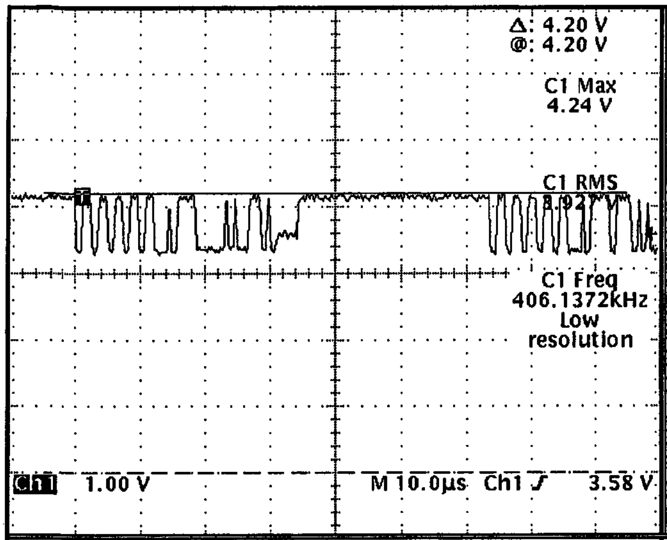
Q401 · 2 Pin(E)		
No.246	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



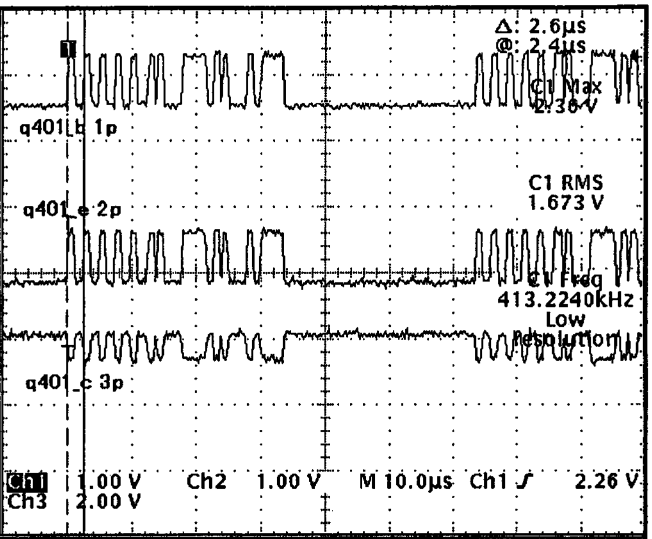
Q401 · 3 Pin(C)		
No.247	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



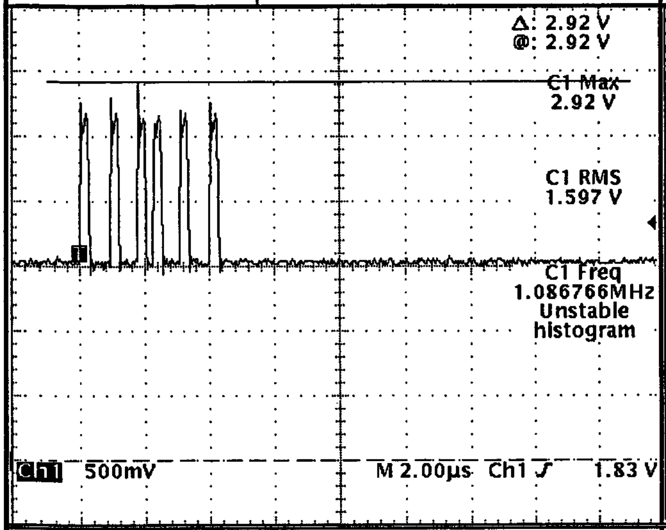
Q401 · 3 Pin(C)		
No.248	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



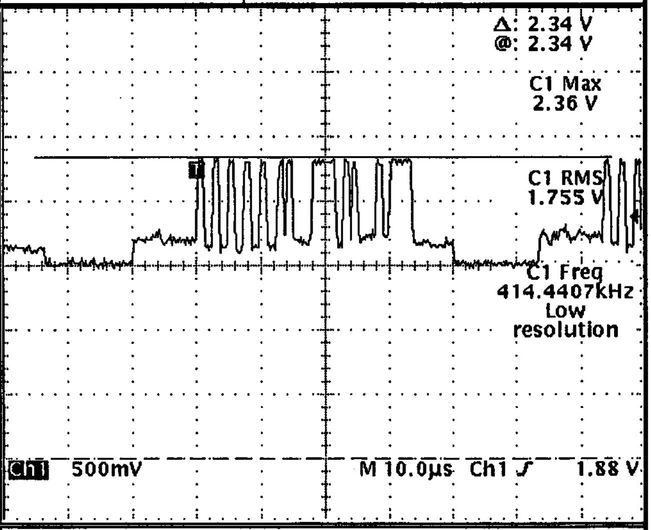
Q401 · 3 Pin(C)		
No.249	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



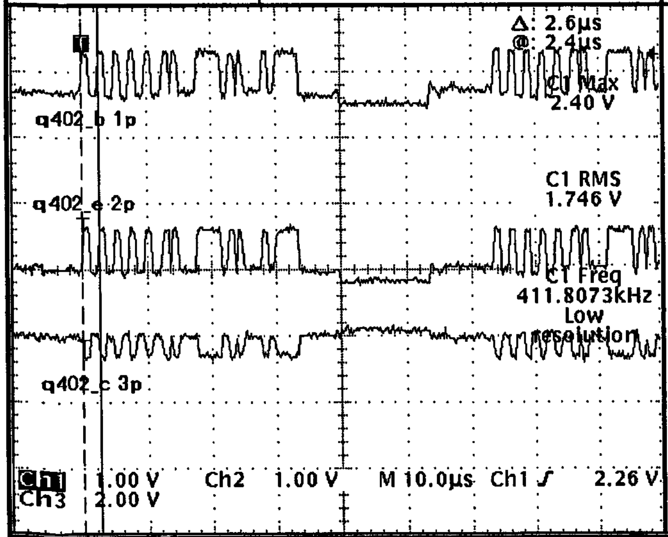
Q401 · 3 Pin(C)		
No.250	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



Q402 · 1 Pin(B)		
No.251	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



Q402 · 1 Pin(B)		
No.252	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



Q402 · 1 Pin(B)		
No.253	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div

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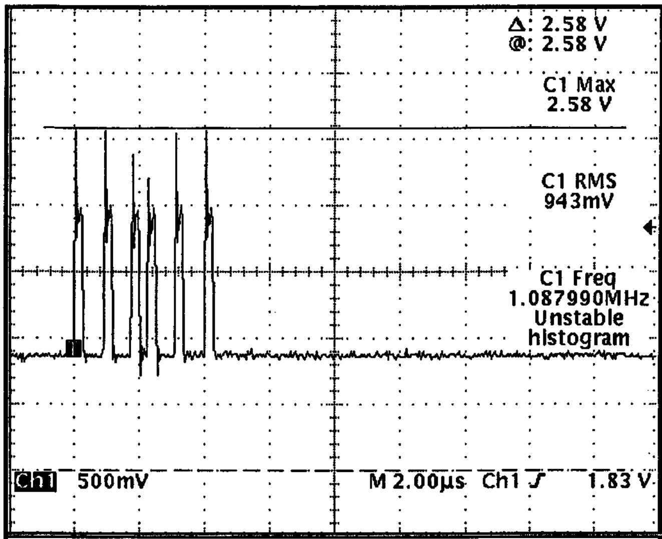
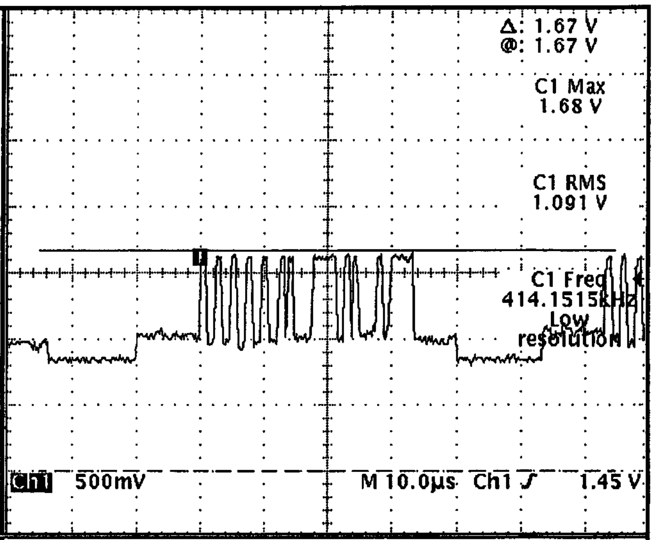
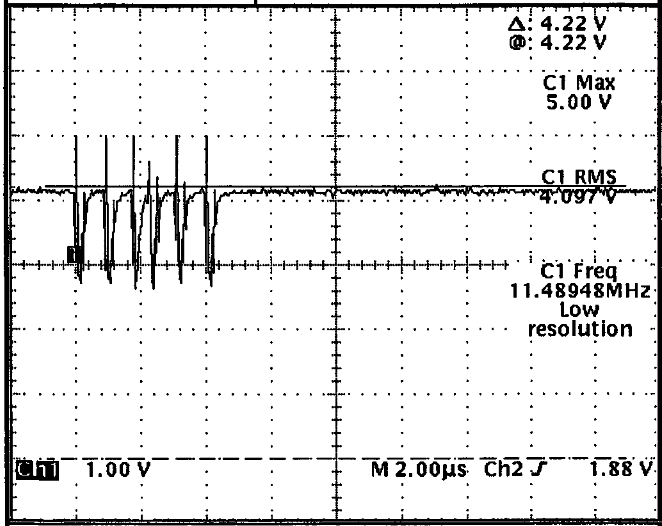
No.	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



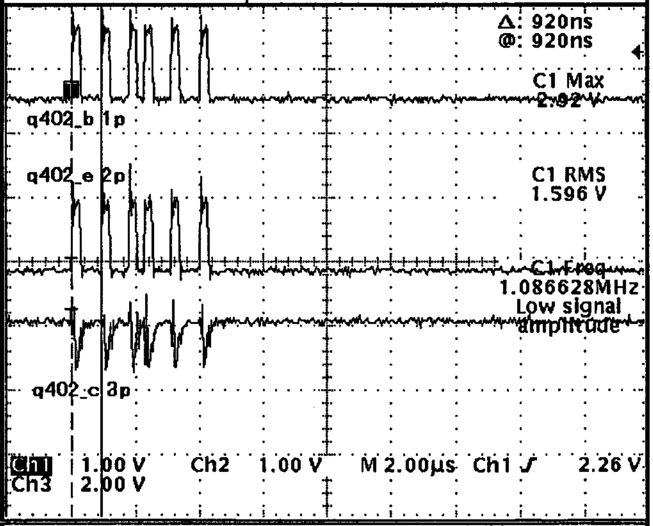
Q402 · 2 Pin(E)		
No.254	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



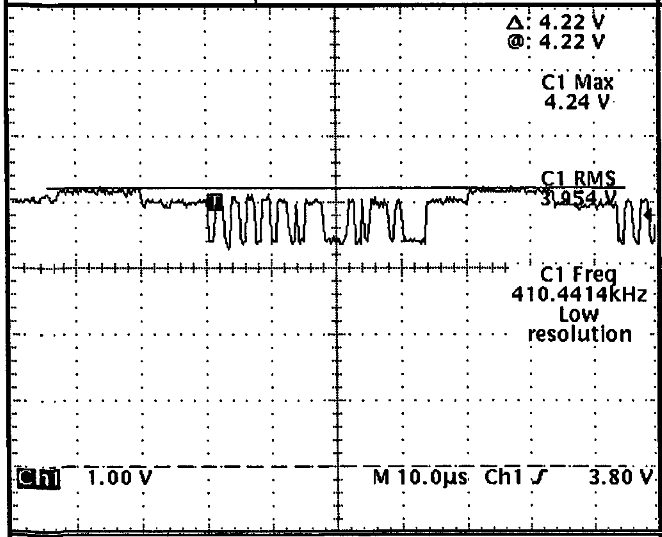
Q402 · 2 Pin(E)		
No.255	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



Q402 · 3 Pin(C)		
No.256	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



Q402 · 3 Pin(C)		
No.257	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



Q402 · 3 Pin(C)		
No.258	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div

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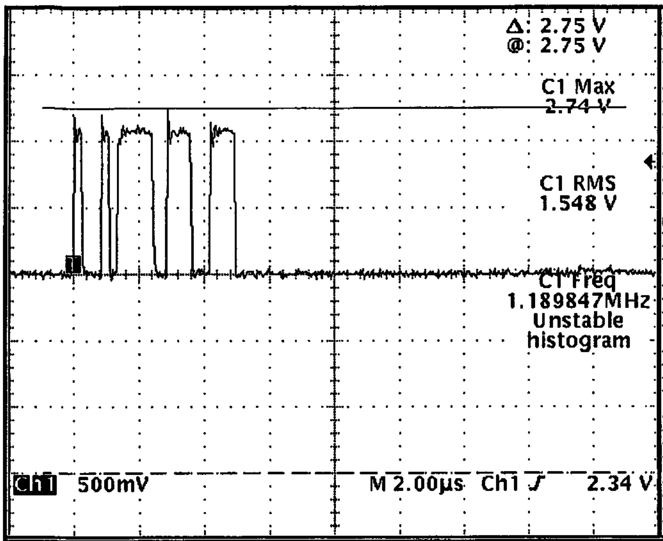
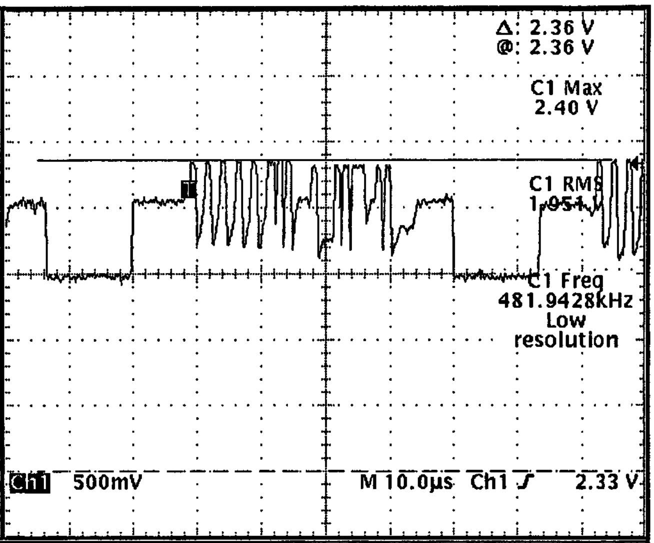
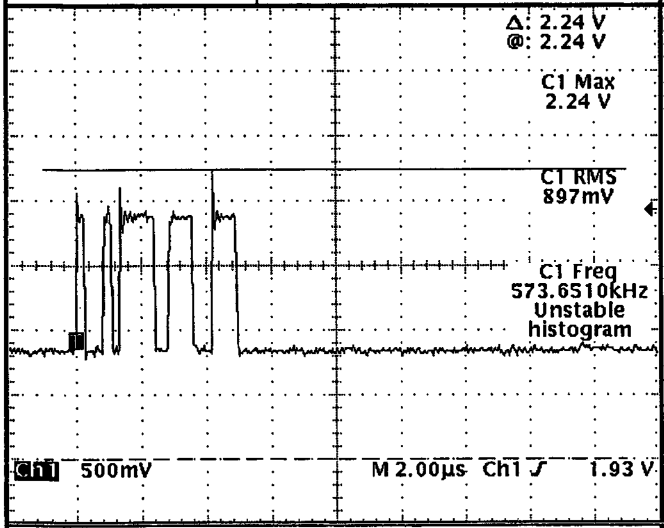
No.	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



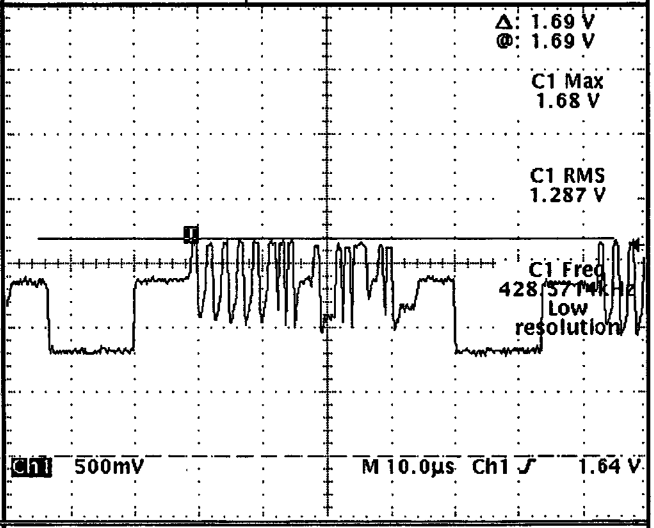
Q403 · 1 Pin(B)	
No.259	Volt/Div= V/Div
DC · AC	Time/Div= S/Div



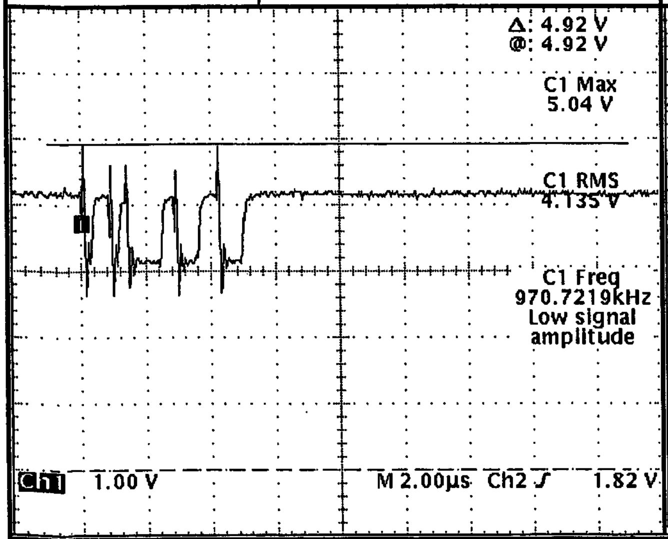
Q403 · 1 Pin(B)	
No.260	Volt/Div= V/Div
DC · AC	Time/Div= S/Div



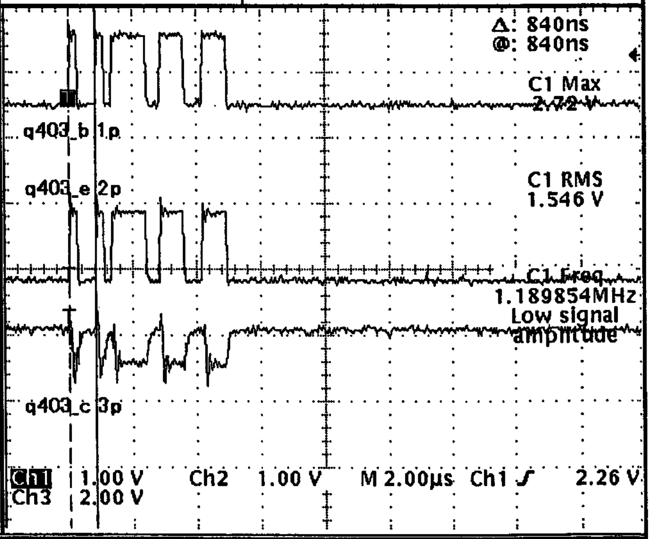
Q403 · 2 Pin(E)	
No.261	Volt/Div= V/Div
DC · AC	Time/Div= S/Div



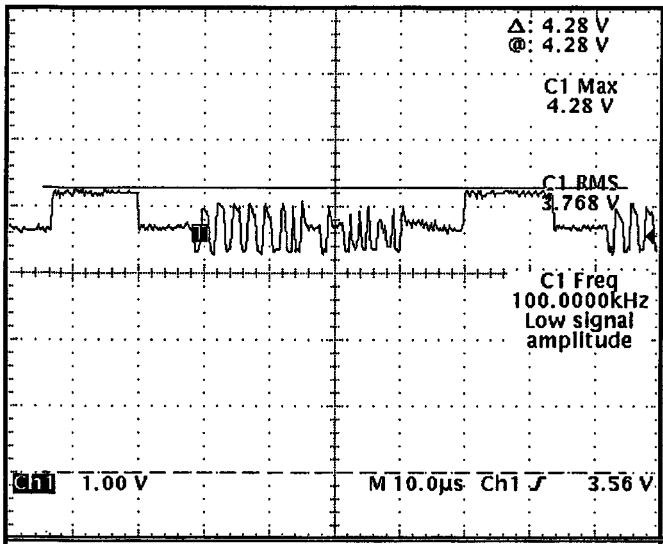
Q403 · 2 Pin(E)	
No.262	Volt/Div= V/Div
DC · AC	Time/Div= S/Div



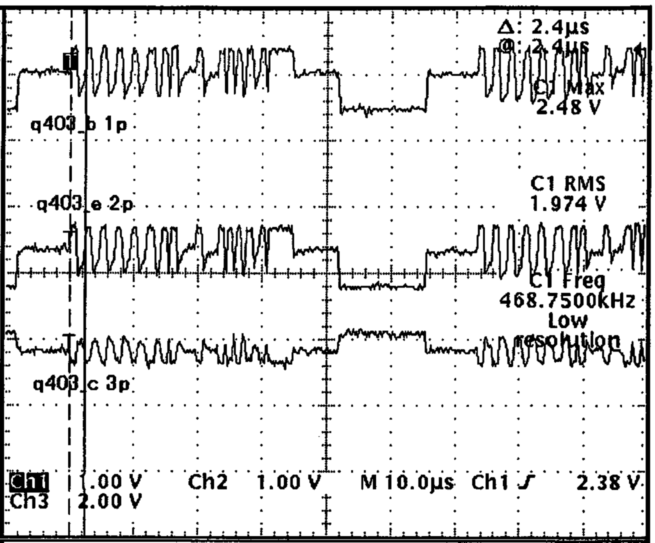
Q403 · 3 Pin(C)	
No.263	Volt/Div= V/Div
DC · AC	Time/Div= S/Div



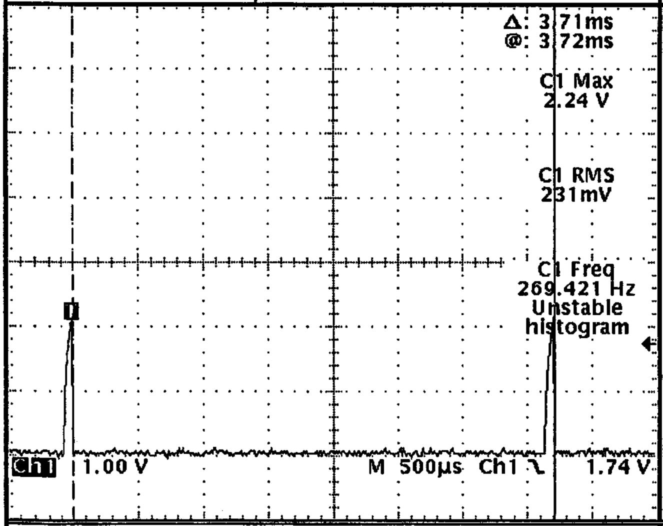
Q403 · 3 Pin(C)	
No.264	Volt/Div= V/Div
DC · AC	Time/Div= S/Div



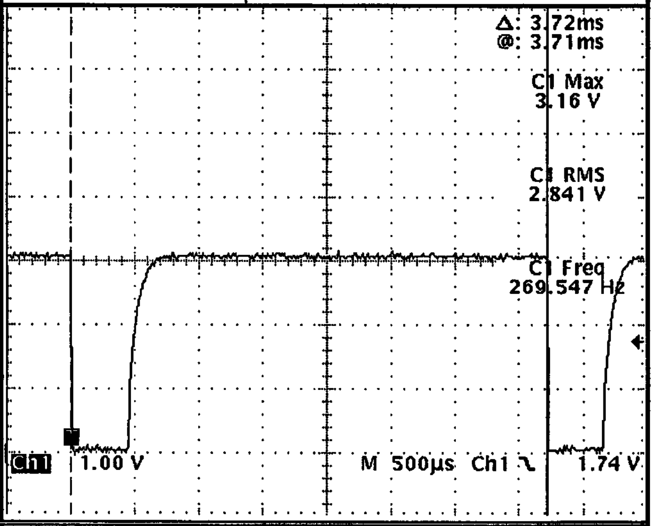
Q403 · 3 Pin(C)		
No.265	Volt/Div=	V/Div
DC・AC	Time/Div=	S/Div



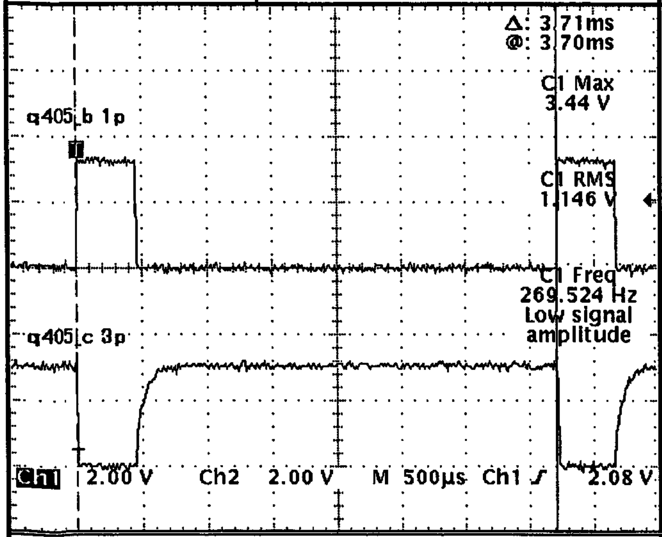
Q403 · 3 Pin(C)		
No.266	Volt/Div=	V/Div
DC・AC	Time/Div=	S/Div



Q405 · 3 Pin(C)		
No.267	Volt/Div=	V/Div
DC・AC	Time/Div=	S/Div



Q405 · 3 Pin(C)		
No.268	Volt/Div=	V/Div
DC・AC	Time/Div=	S/Div



Q405 · 3 Pin(C)		
No.269	Volt/Div=	V/Div
DC・AC	Time/Div=	S/Div

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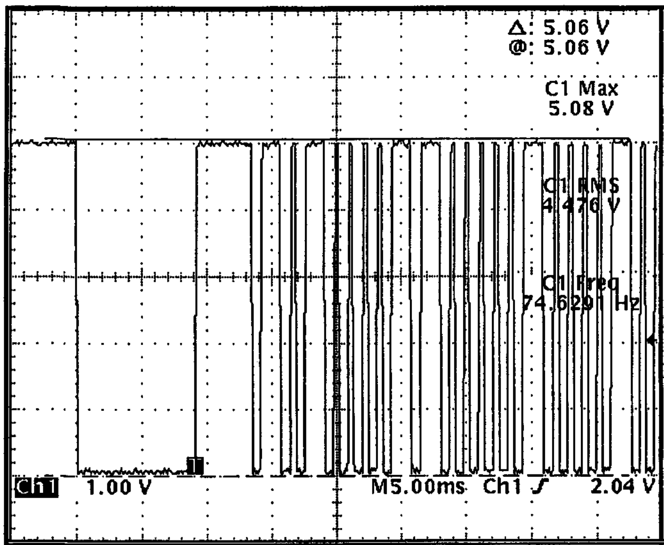
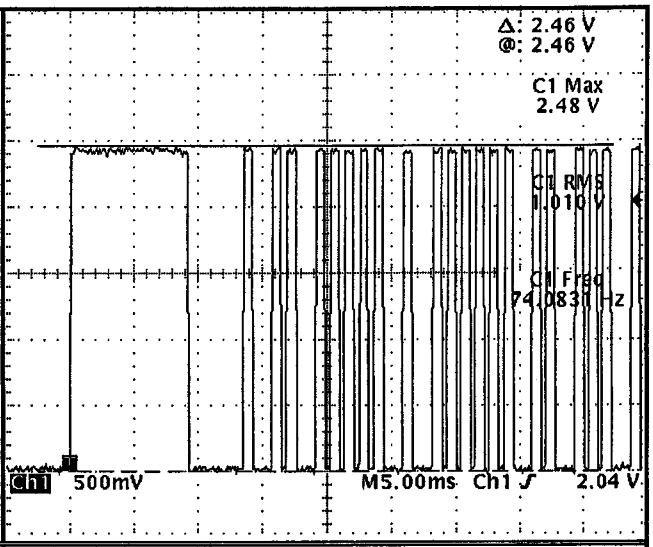
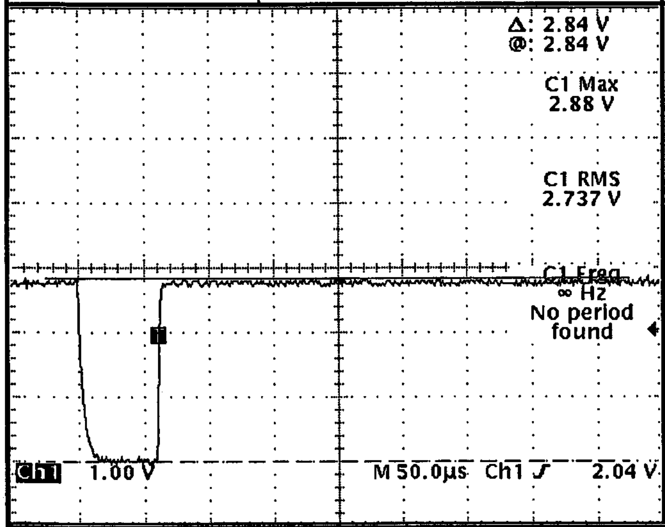
No.	Volt/Div=	V/Div
DC・AC	Time/Div=	S/Div



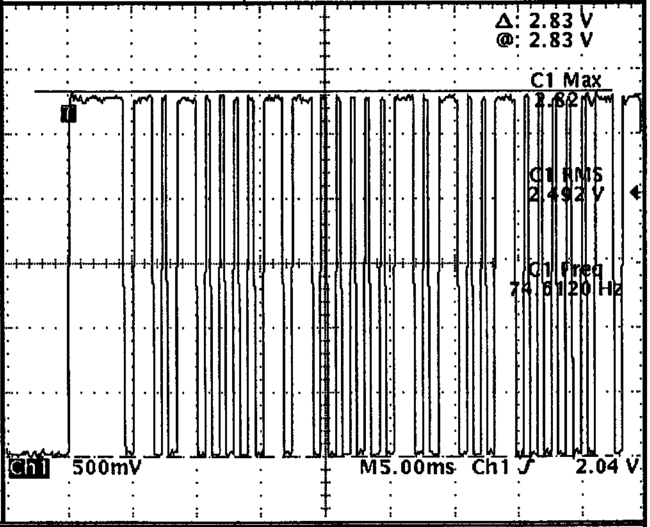
Q406 · 1 Pin(C)		
No.270	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



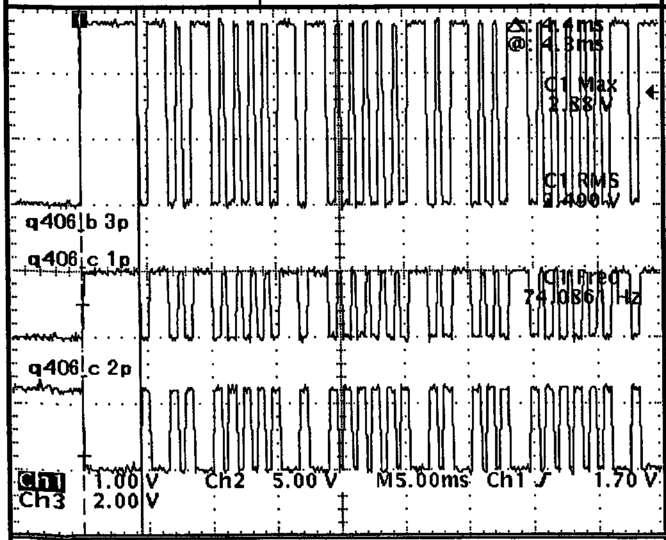
Q406 · 2 Pin(C)		
No.271	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



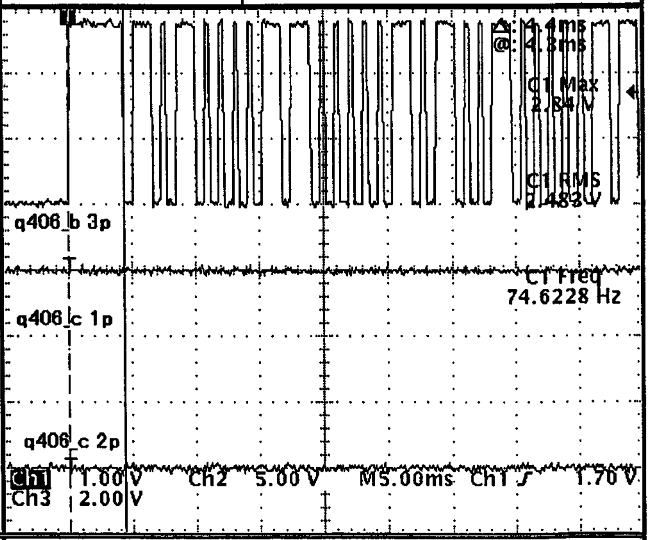
Q406 · 3 Pin(B)		
No.272	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



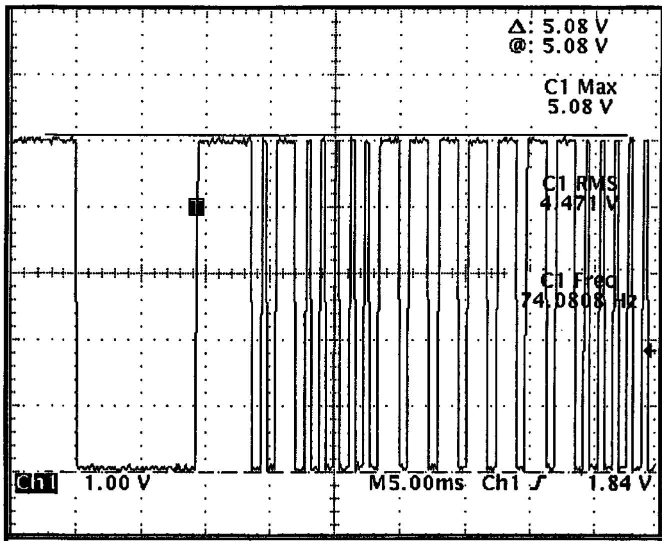
Q406 · 3 Pin(B)		
No.273	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



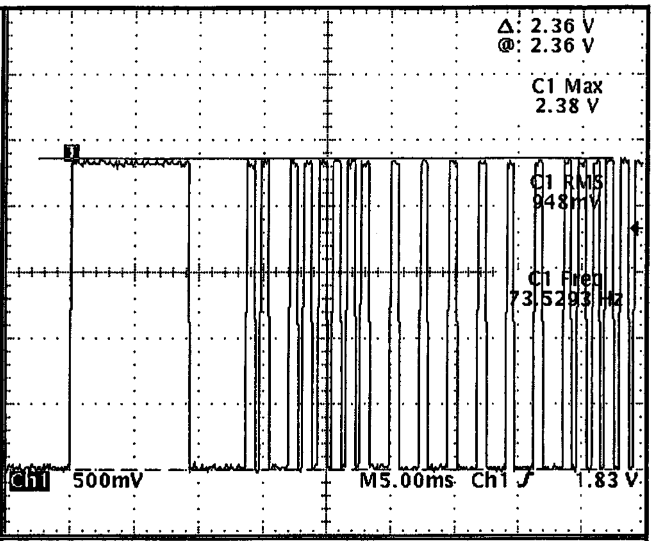
Q406 · 3 Pin(B)		
No.274	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



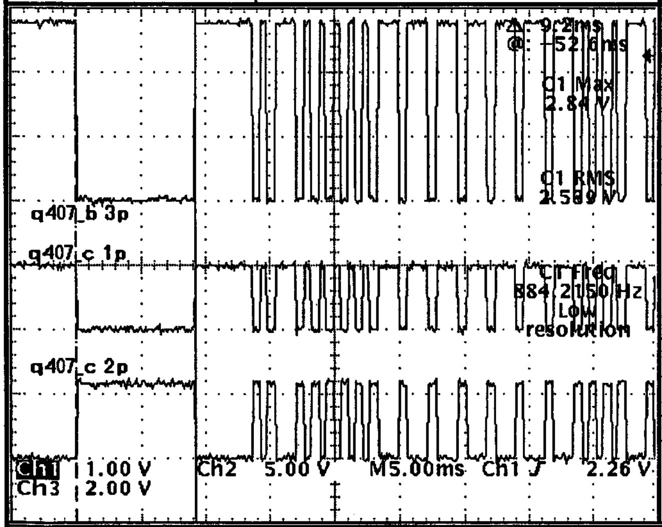
Q406 · 3 Pin(B)		
No.275	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



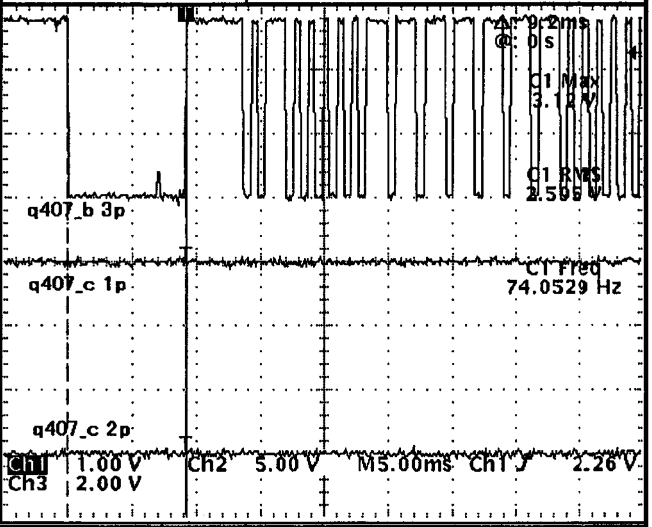
Q407 ·	1 Pin(C)	
No.276	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



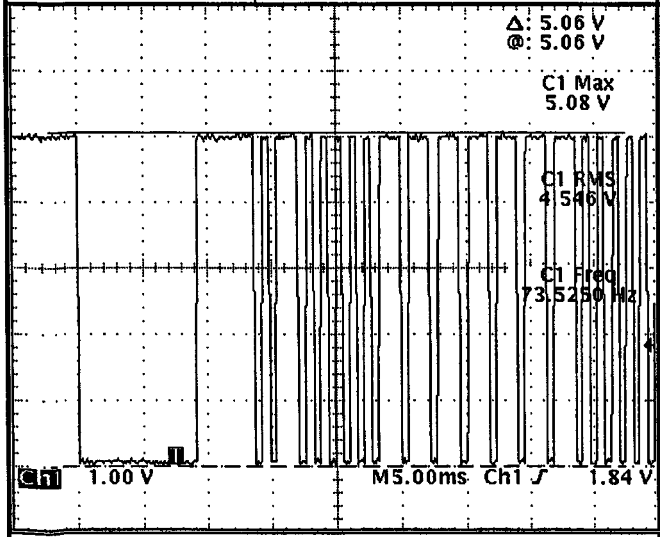
Q407 ·	2 Pin(C)	
No.277	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



Q407 ·	2 Pin(C)	
No.278	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



Q407 ·	2 Pin(C)	
No.279	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



Q408 ·	1 Pin(C)	
No.280	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div

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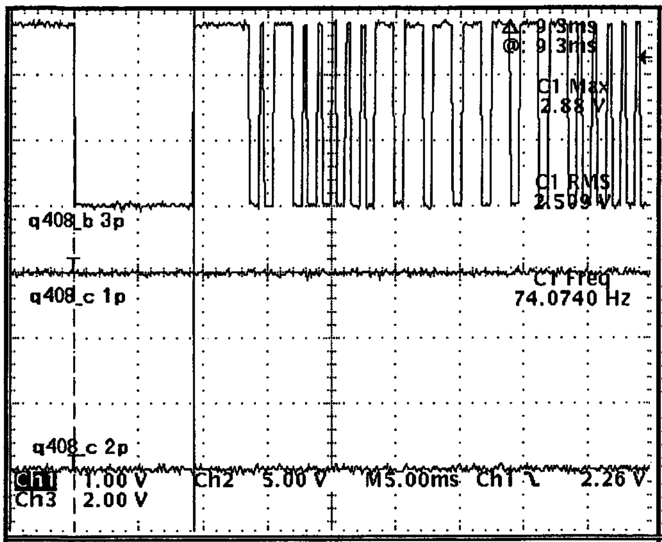
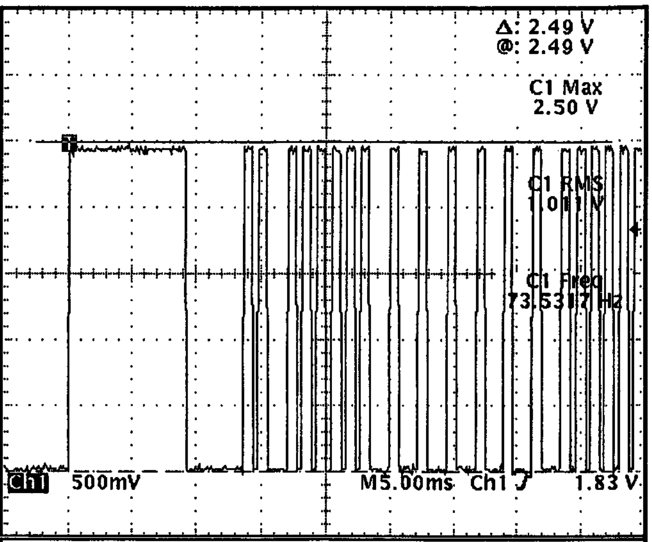
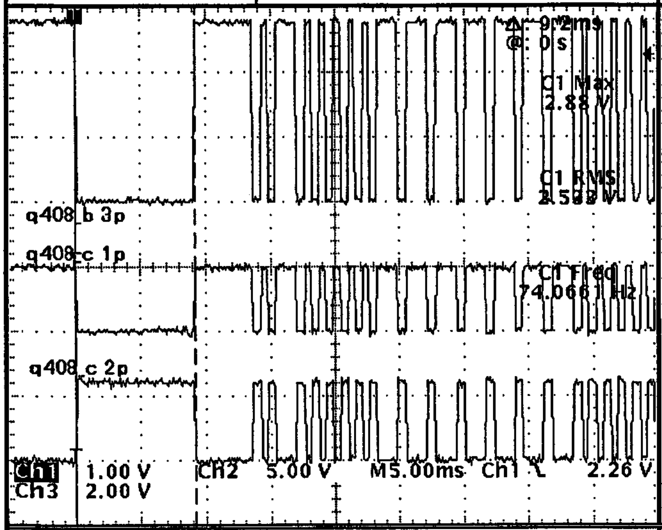
No.	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



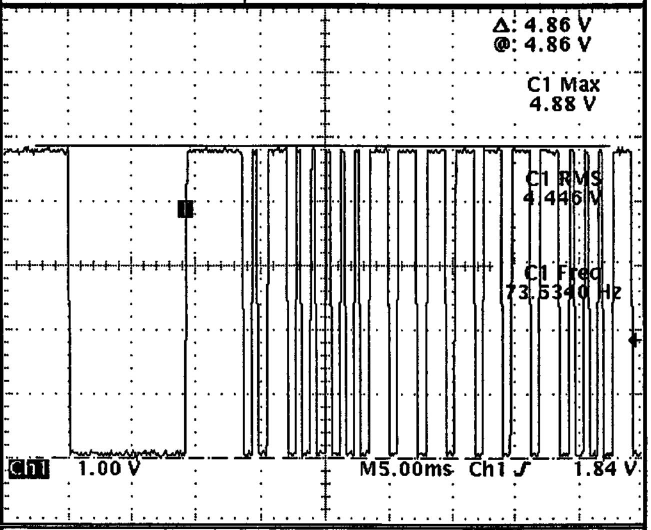
Q408 ·	2 Pin(C)	
No.281	Volt/Div=	V/Div
DC・AC	Time/Div=	S/Div



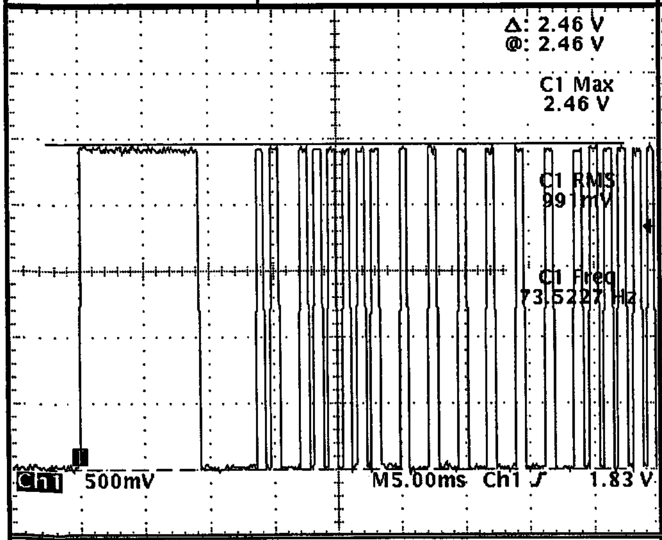
Q408 ·	2 Pin(C)	
No.282	Volt/Div=	V/Div
DC・AC	Time/Div=	S/Div



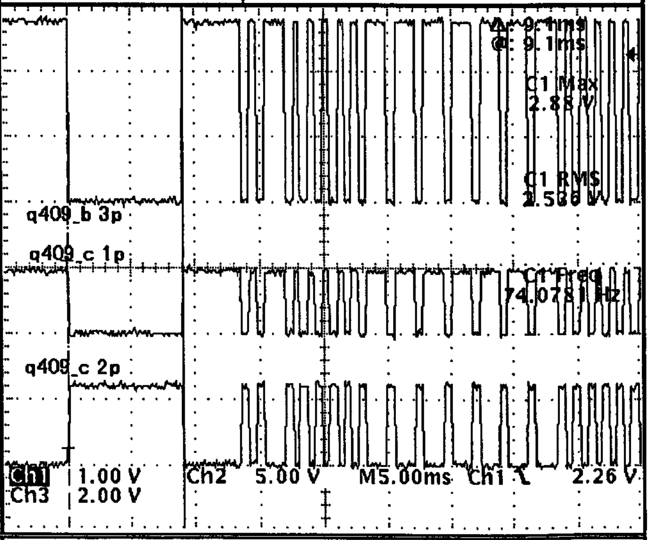
Q408 ·	2 Pin(C)	
No.283	Volt/Div=	V/Div
DC・AC	Time/Div=	S/Div



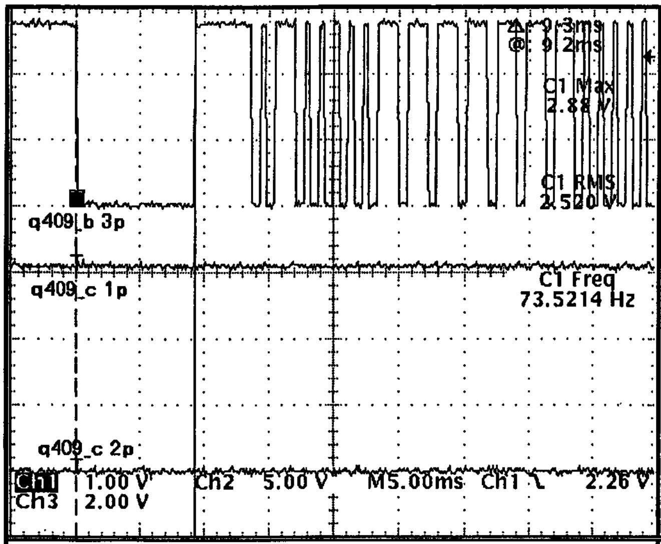
Q409 ·	1 Pin(C)	
No.284	Volt/Div=	V/Div
DC・AC	Time/Div=	S/Div



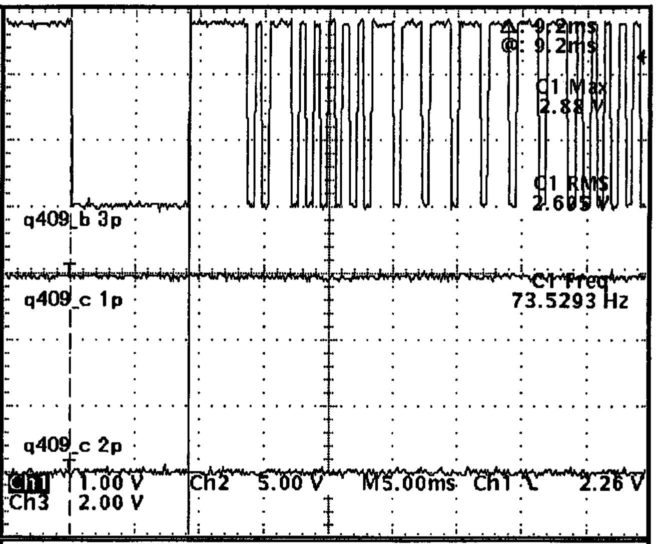
Q409 ·	2 Pin(C)	
No285.	Volt/Div=	V/Div
DC・AC	Time/Div=	S/Div



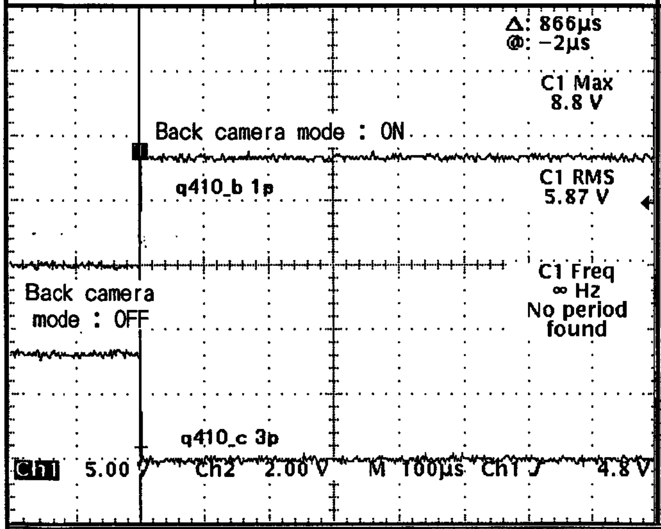
Q409 ·	2 Pin(C)	
No.286	Volt/Div=	V/Div
DC・AC	Time/Div=	S/Div



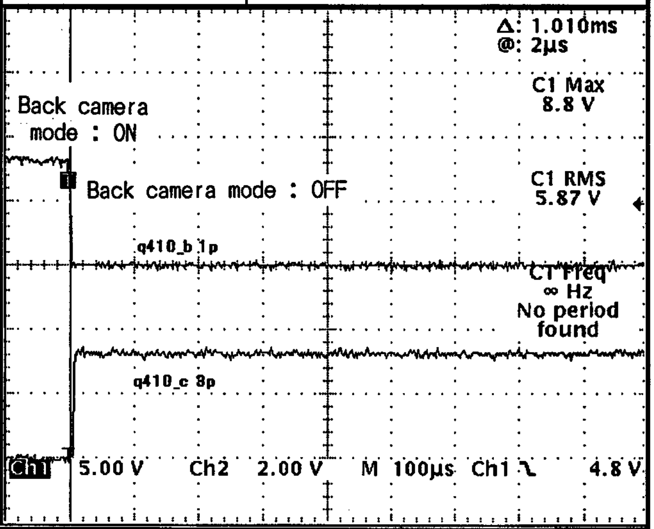
Q409 ・ 2 Pin(C)		
No.287	Volt/Div=	V/Div
DC・AC	Time/Div=	S/Div



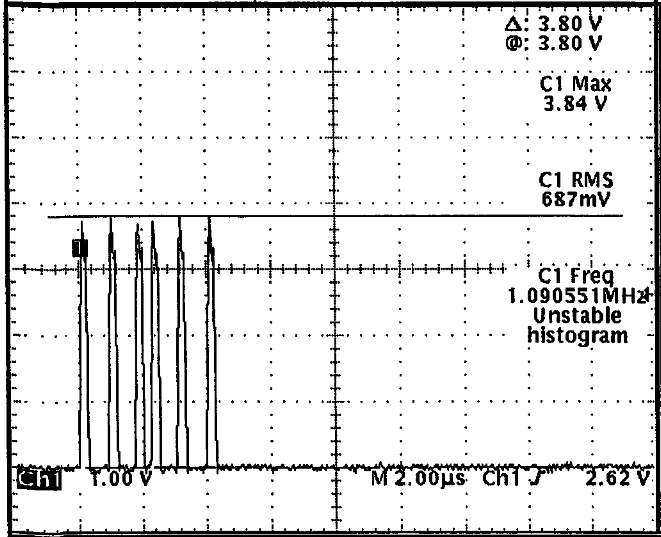
Q409 ・ 2 Pin(C)		
No.288	Volt/Div=	V/Div
DC・AC	Time/Div=	S/Div



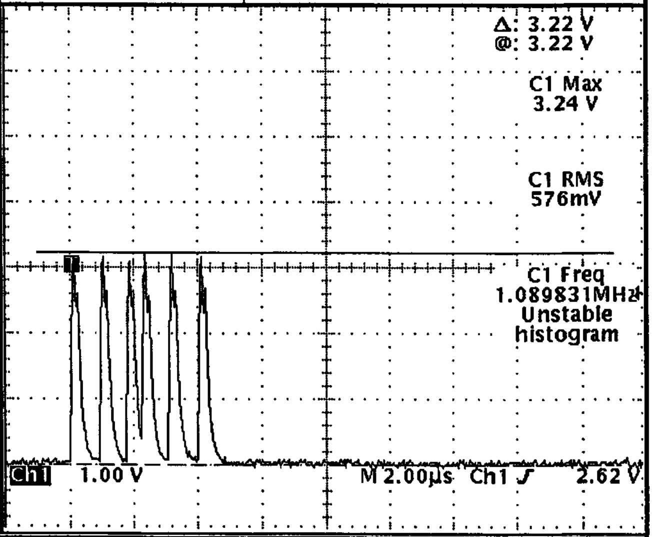
Q410 ・ 1 Pin(B)		
No.289	Volt/Div=	V/Div
DC・AC	Time/Div=	S/Div



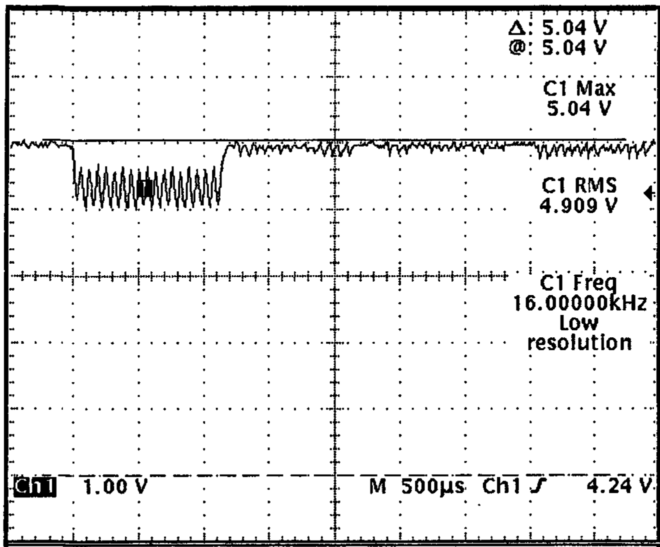
Q410 ・ 1 Pin(B)		
No.290	Volt/Div=	V/Div
DC・AC	Time/Div=	S/Div



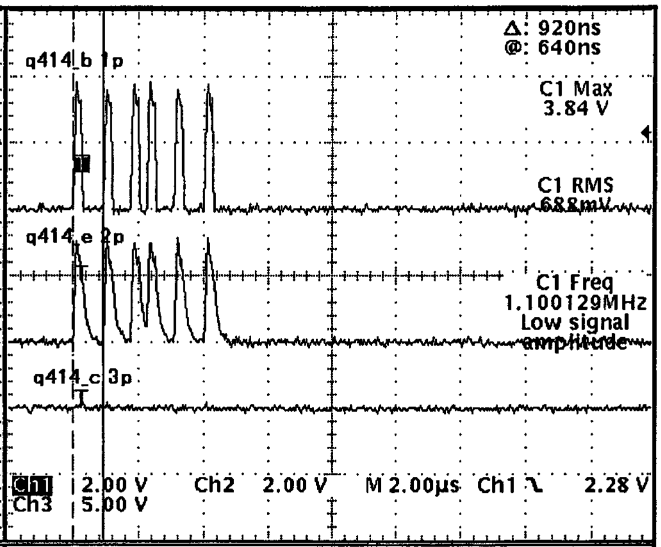
Q414 ・ 1 Pin(B)		
No.291	Volt/Div=	V/Div
DC・AC	Time/Div=	S/Div



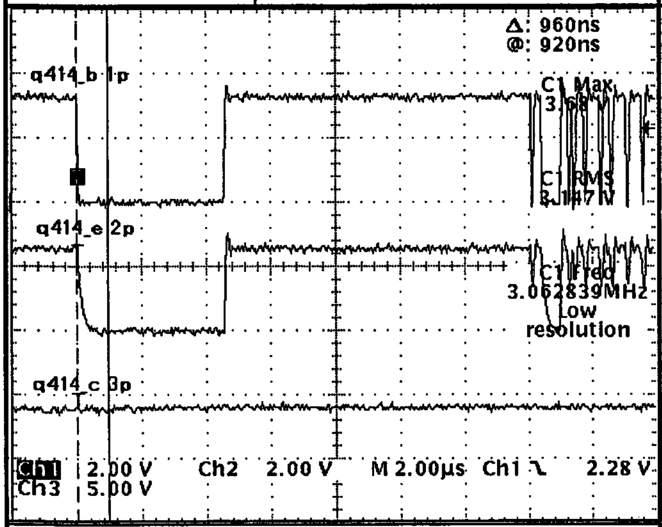
Q414 ・ 2 Pin(E)		
No.292	Volt/Div=	V/Div
DC・AC	Time/Div=	S/Div



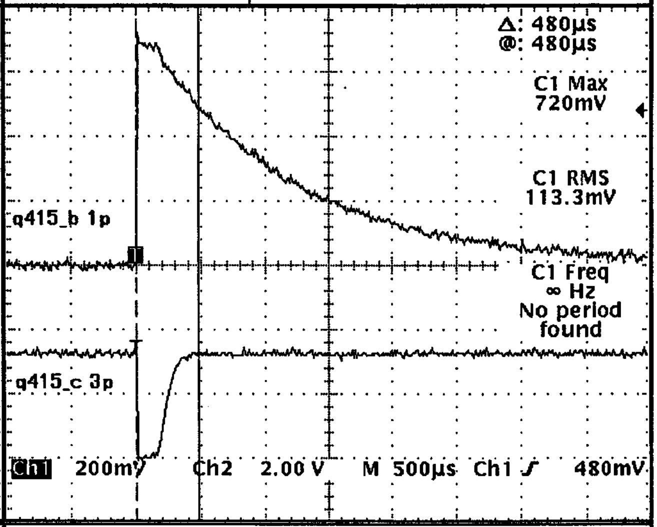
Q414 ·	3 Pin(C)	
No.293	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



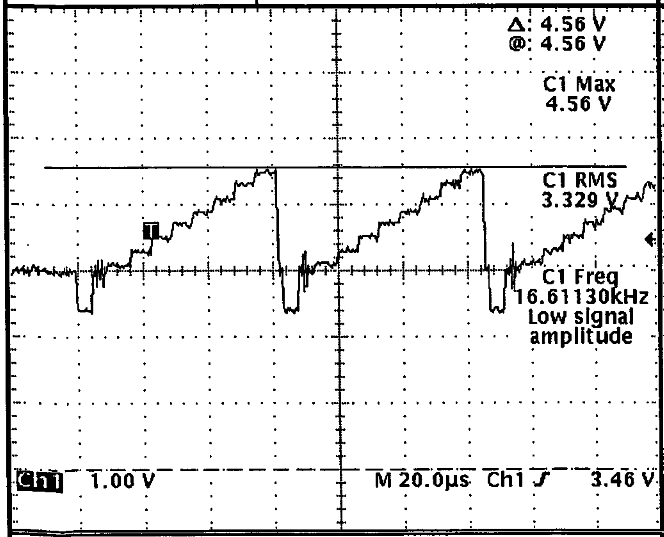
Q414 ·	3 Pin(C)	
No.294	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



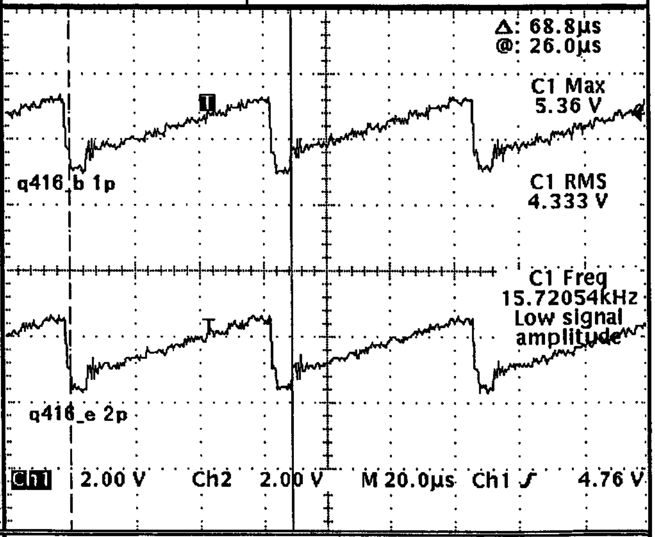
Q414 ·	3 Pin(C)	
No.295	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



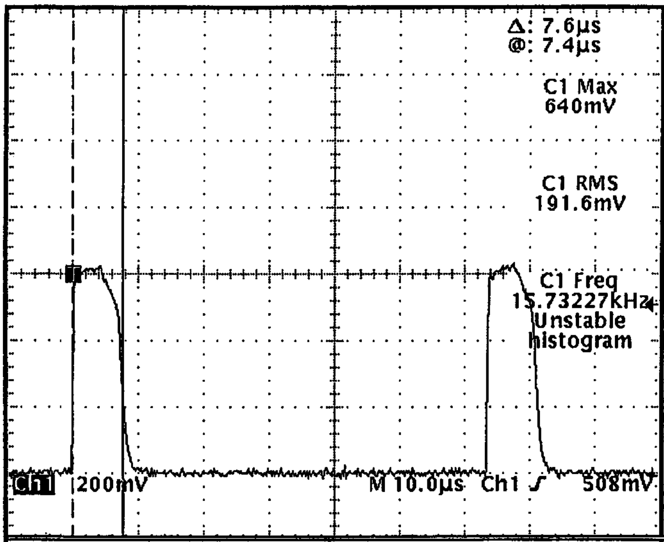
Q415 ·	1 Pin(B)	
No.296	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



Q416 ·	2 Pin(E)	
No.297	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



Q416 ·	2 Pin(E)	
No.298	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



Q419 · 1 Pin(B)		
No.299	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div

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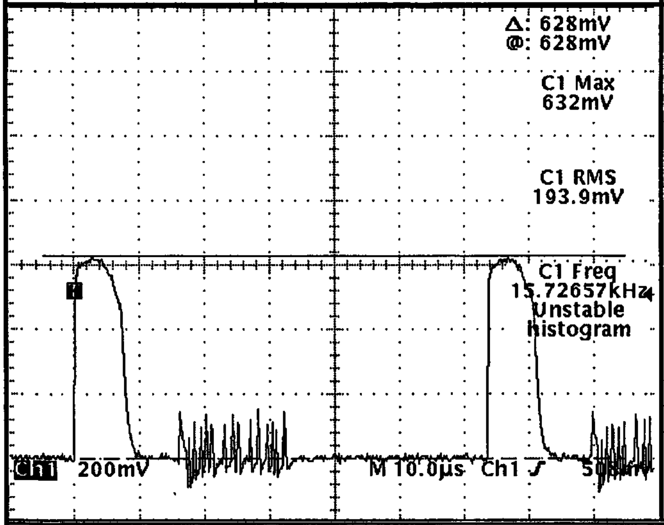
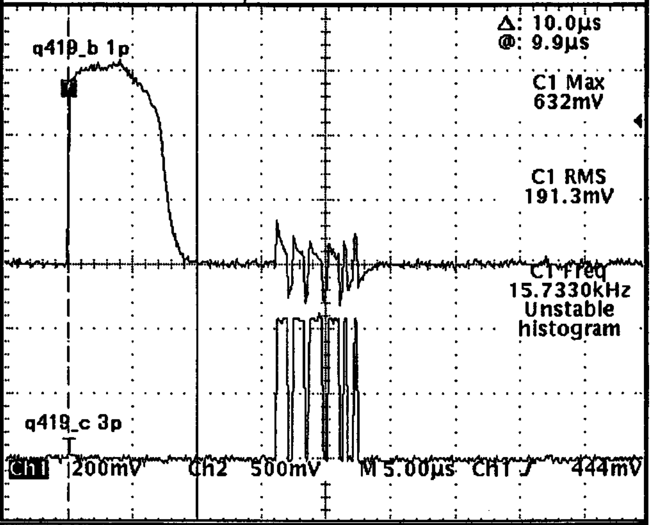
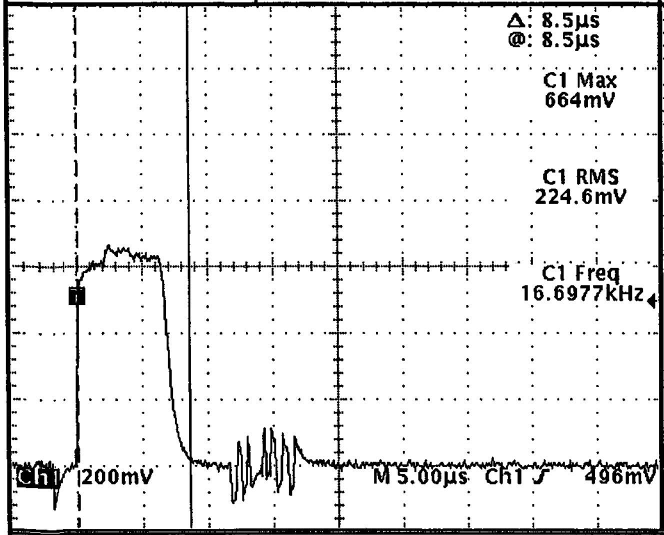
No.	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



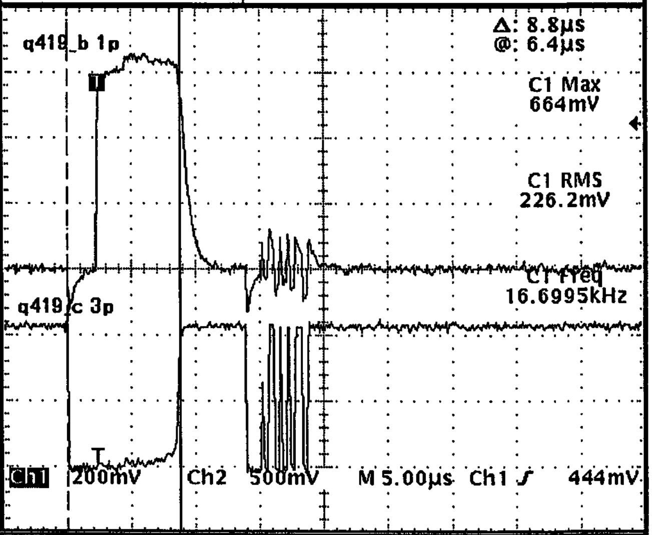
Q419 · 1 Pin(B)		
No.300	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



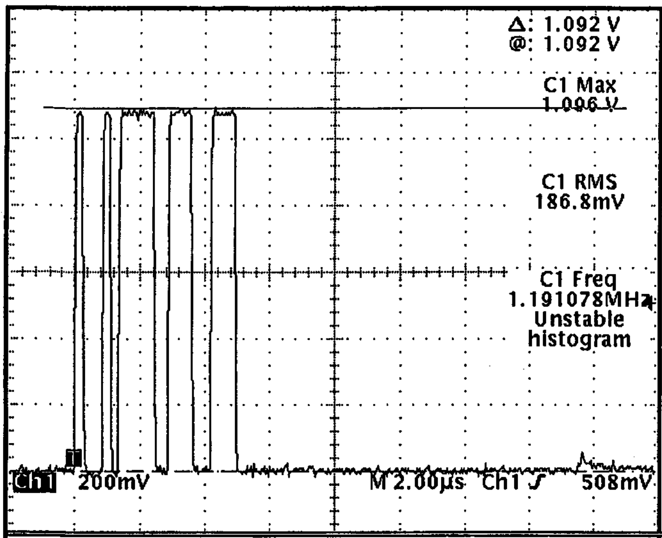
Q419 · 1 Pin(B)		
No.301	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



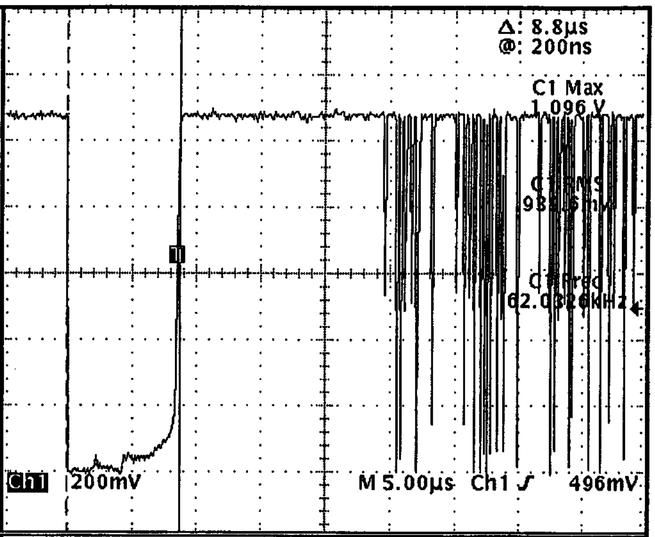
Q419 · 1 Pin(B)		
No.302	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



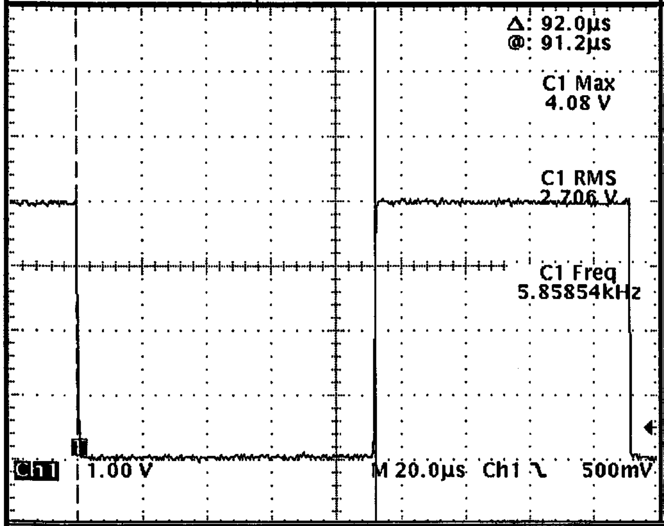
Q419 · 1 Pin(B)		
No.303	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



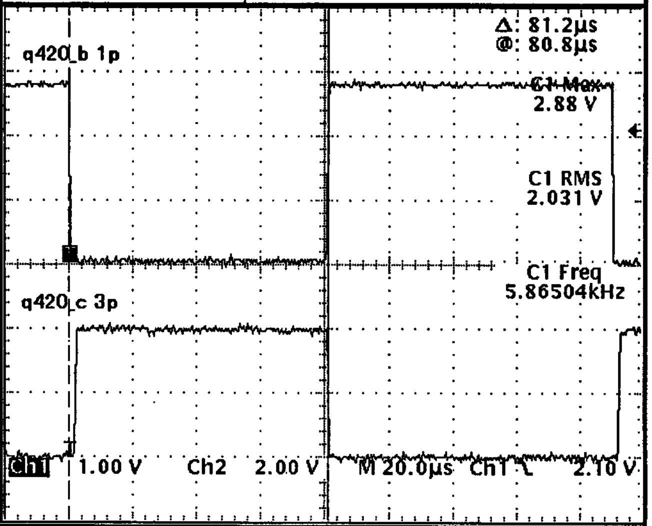
Q419 · 3 Pin(C)		
No.304	Volt/Div=	V/Div
DC・AC	Time/Div=	S/Div



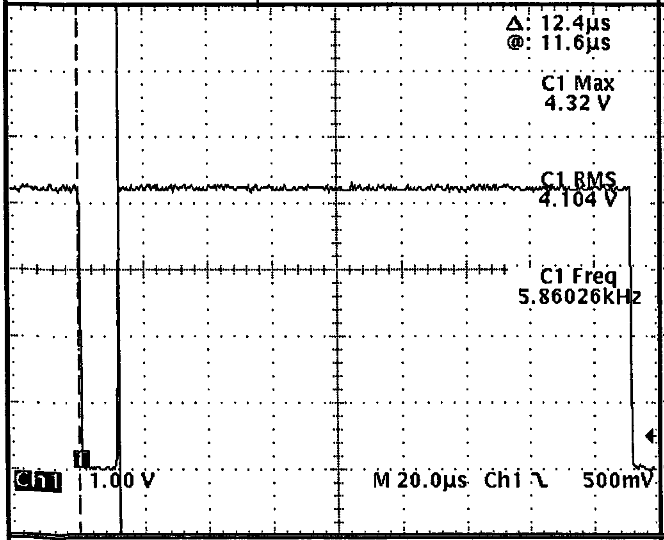
Q419 · 3 Pin(C)		
No.305	Volt/Div=	V/Div
DC・AC	Time/Div=	S/Div



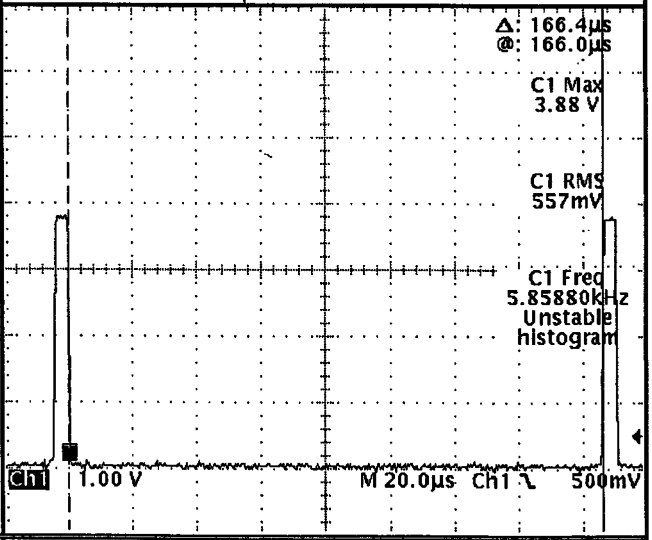
Q420 · 3 Pin(C)		
No.306	Volt/Div=	V/Div
DC・AC	Time/Div=	S/Div



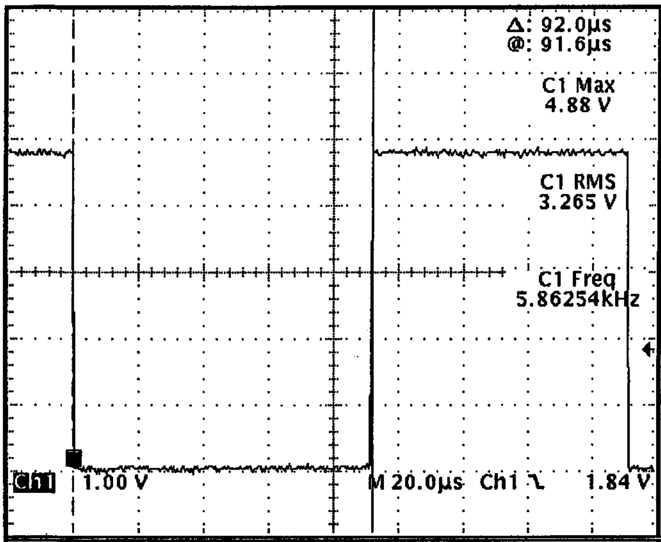
Q420 · 3 Pin(C)		
No.307	Volt/Div=	V/Div
DC・AC	Time/Div=	S/Div



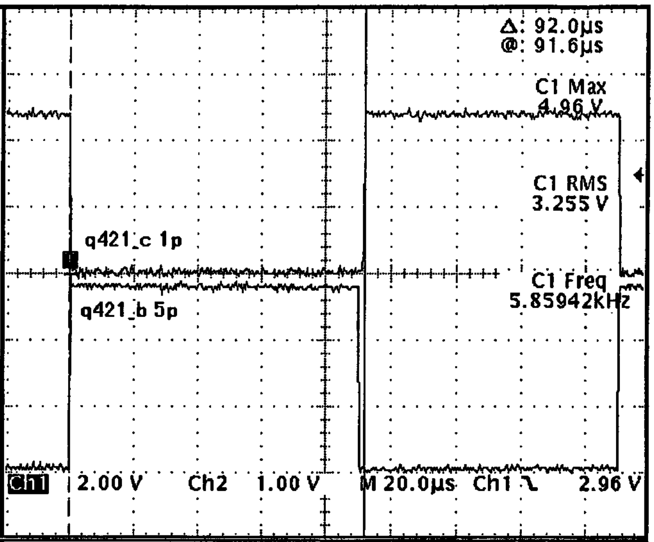
Q420 · 3 Pin(C)		
No.308	Volt/Div=	V/Div
DC・AC	Time/Div=	S/Div



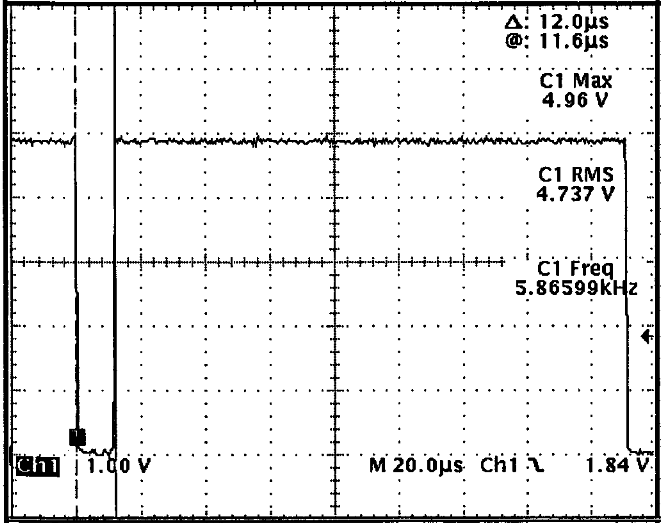
Q420 · 3 Pin(C)		
No.309	Volt/Div=	V/Div
DC・AC	Time/Div=	S/Div



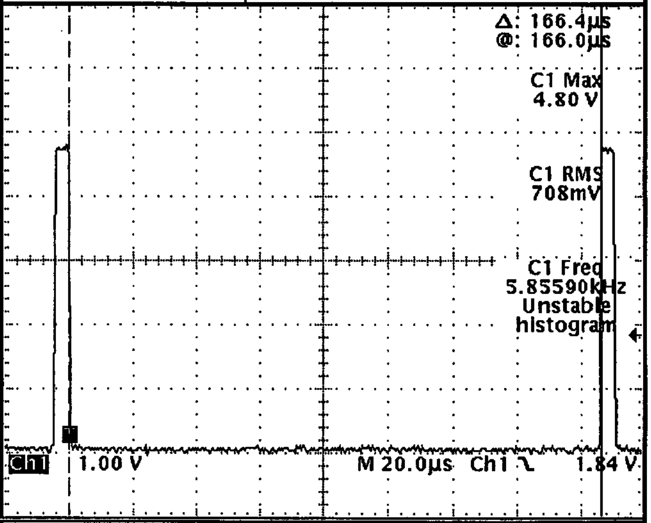
Q421 ·	1 Pin(C)	
No.310	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



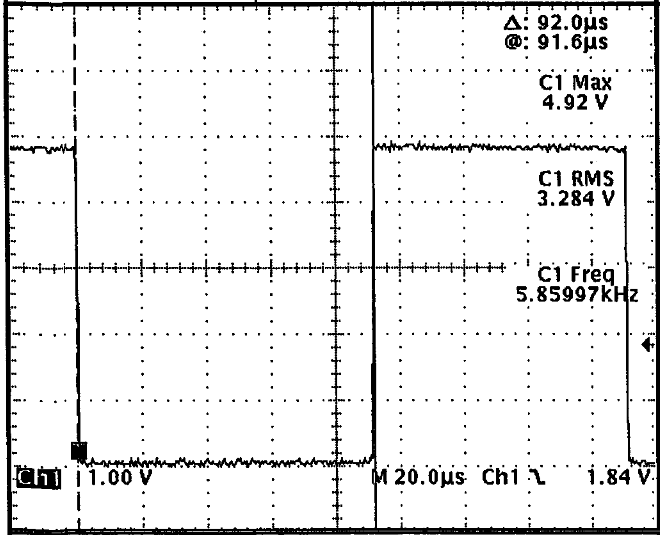
Q421 ·	1 Pin(C)	
No.311	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



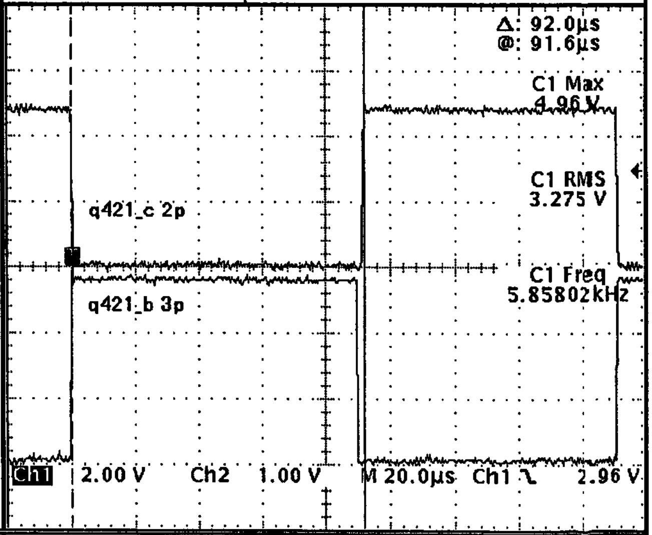
Q421 ·	1 Pin(C)	
No.312	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



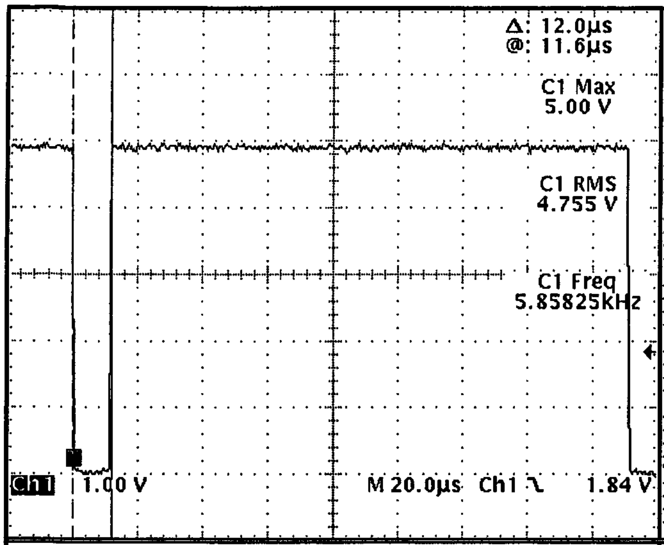
Q421 ·	1 Pin(C)	
No.313	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



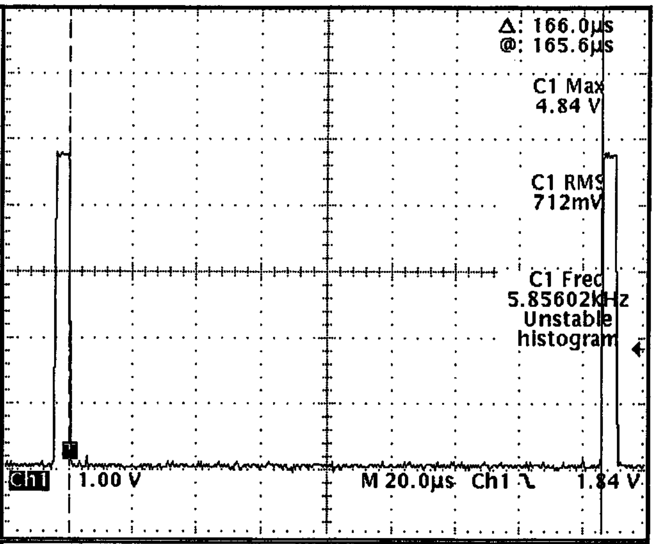
Q421 ·	2 Pin(C)	
No.314	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



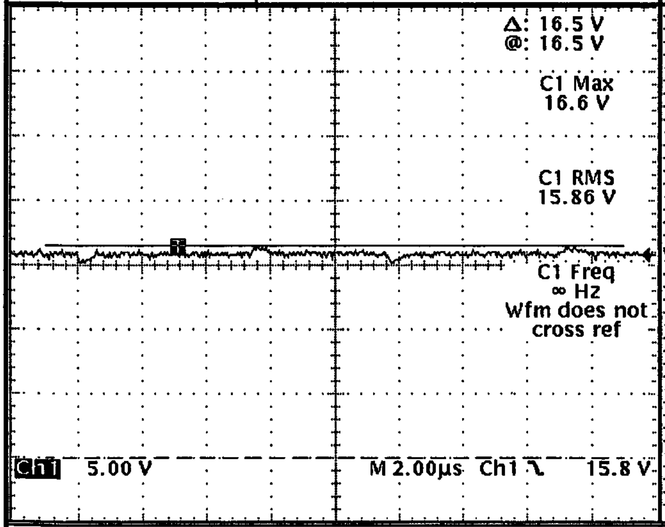
Q421 ·	2 Pin(C)	
No.315	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



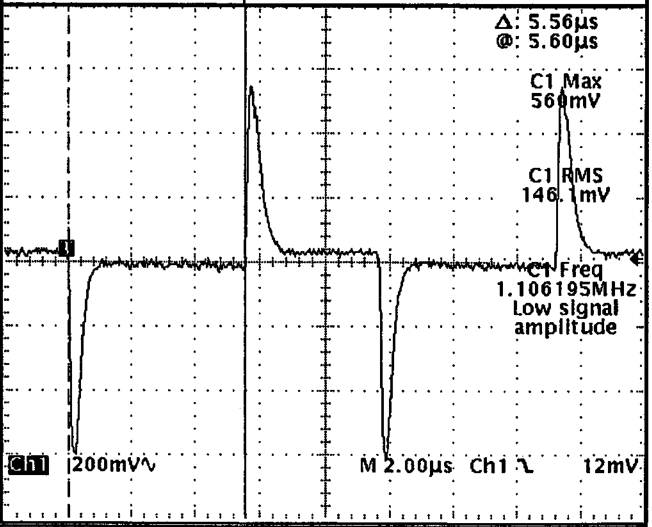
Q421 · 2 Pin(C)		
No.316	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



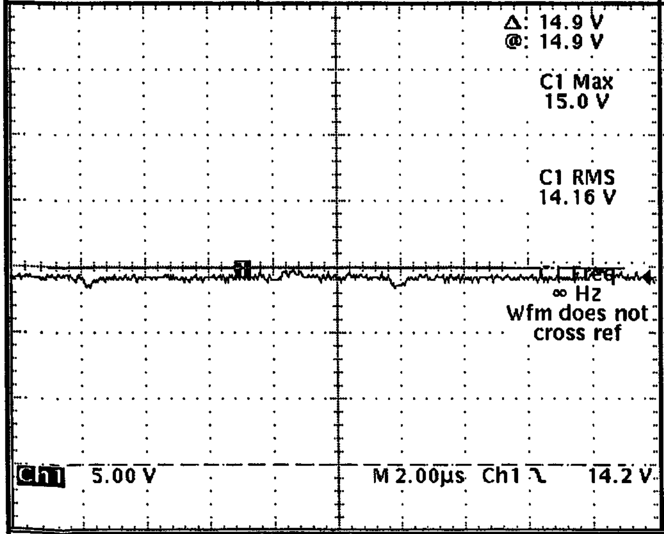
Q421 · 2 Pin(C)		
No.317	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



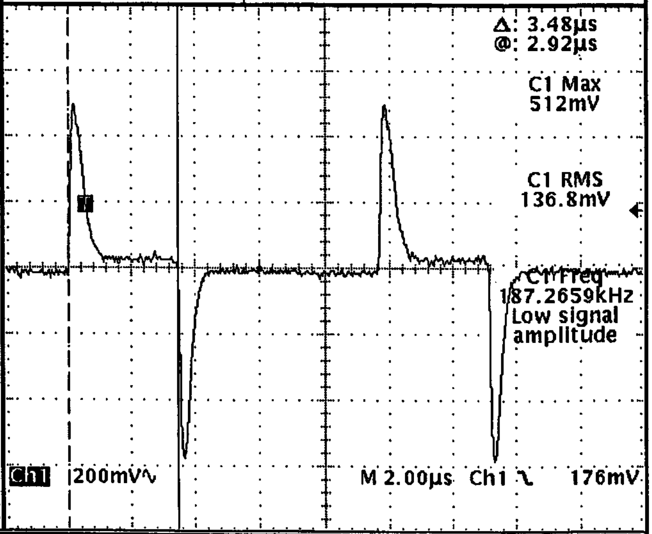
Q502 · 3 Pin(C)		
No.318	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



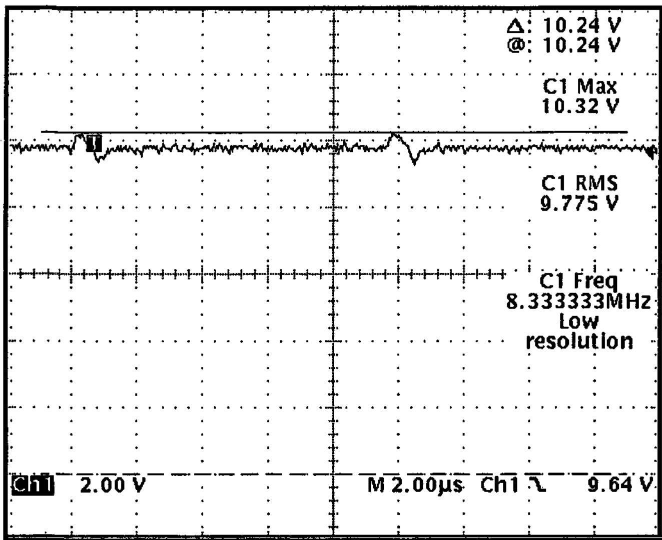
Q502 · 3 Pin(C)		
No.319	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



Q502 · 3 Pin(C)		
No.320	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



Q502 · 3 Pin(C)		
No.321	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



Q502 · 3 Pin(C)		
No.322	Volt/Div=	V/Div
DC・AC	Time/Div=	S/Div

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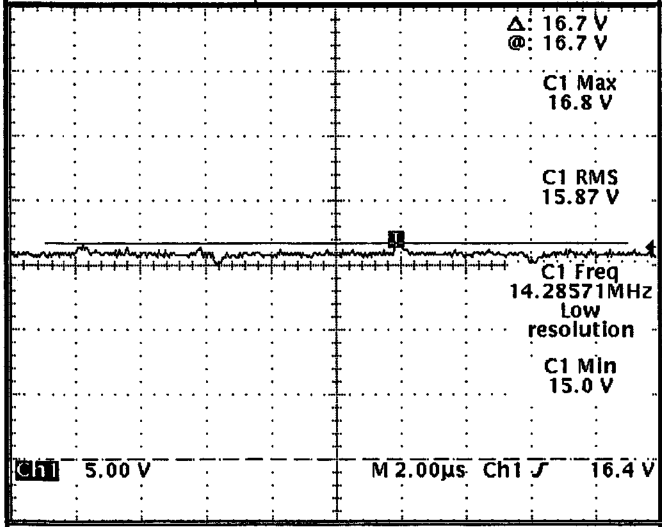
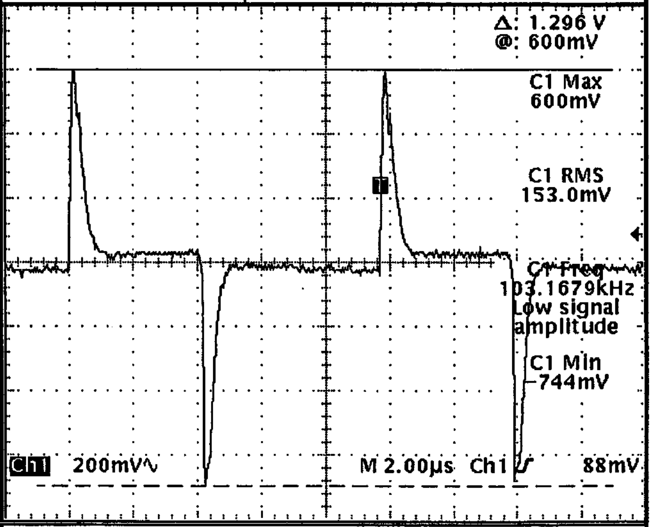
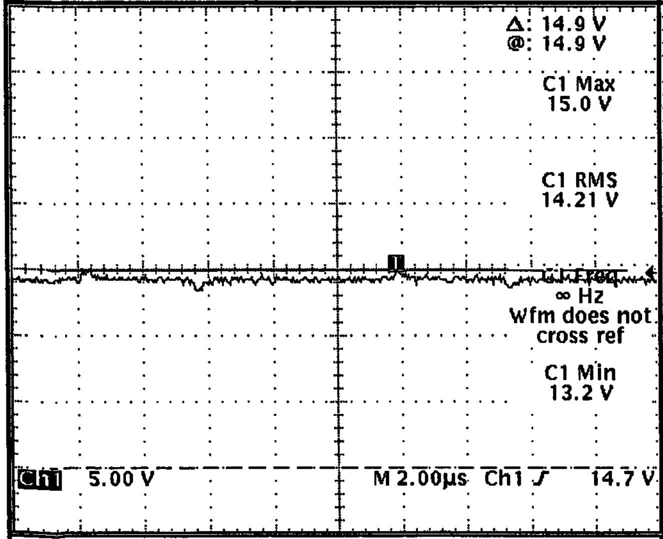
No.	Volt/Div=	V/Div
DC・AC	Time/Div=	S/Div

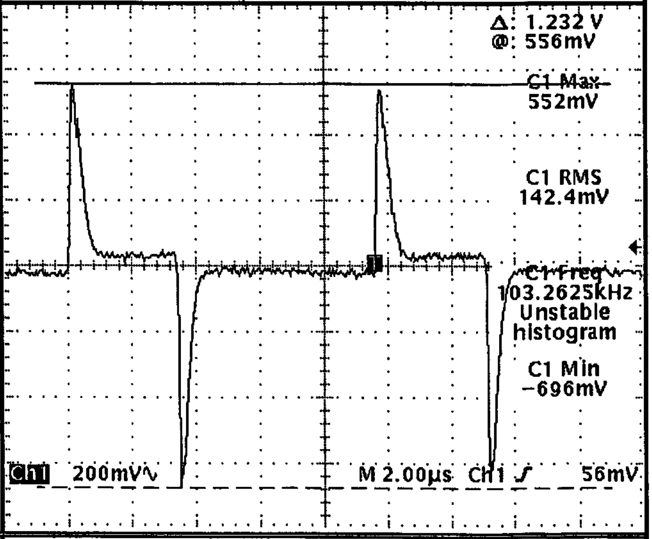




Q503 · 1 Pin(B)		
No.323	Volt/Div=	V/Div
DC・AC	Time/Div=	S/Div

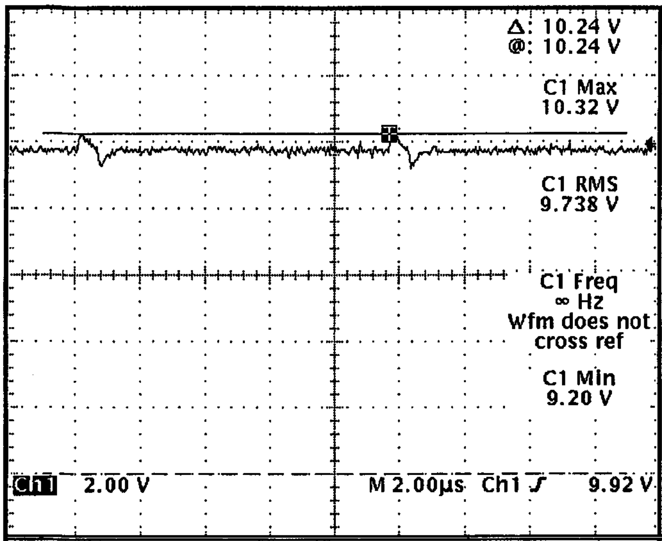
Q503 · 1 Pin(B)		
No.324	Volt/Div=	V/Div
DC・AC	Time/Div=	S/Div





Q503 · 1 Pin(B)		
No.325	Volt/Div=	V/Div
DC・AC	Time/Div=	S/Div

Q503 · 1 Pin(B)		
No.326	Volt/Div=	V/Div
DC・AC	Time/Div=	S/Div



Q503 · 1 Pin(B)		
No.327	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div

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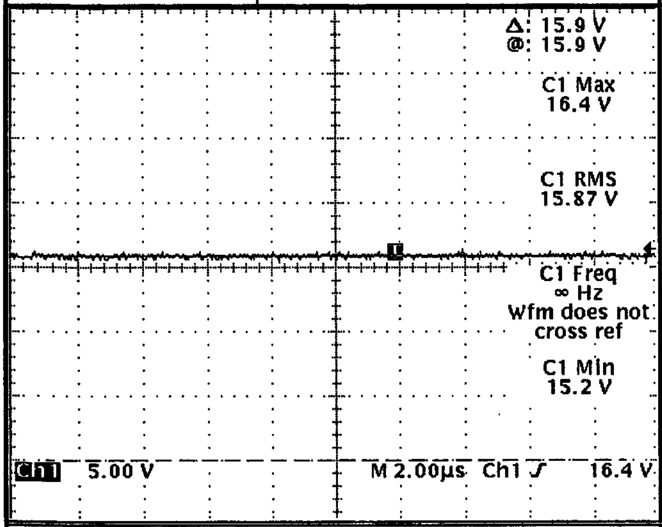
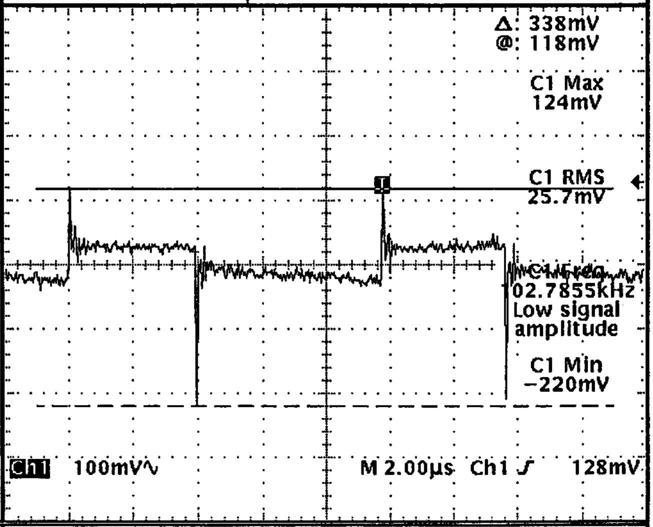
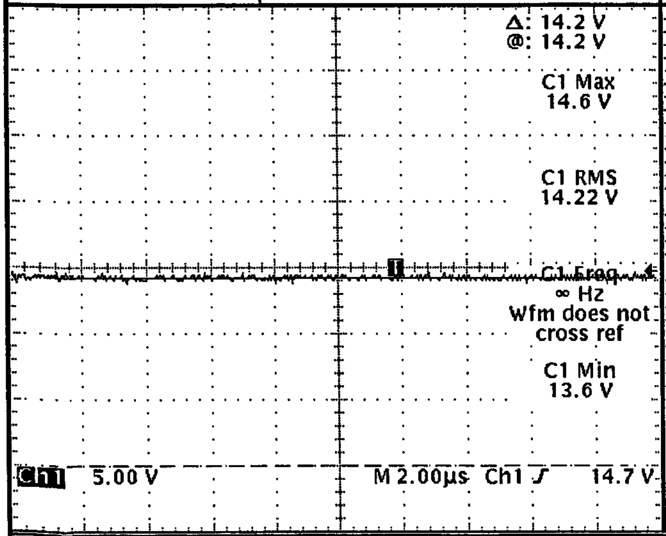
No.	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



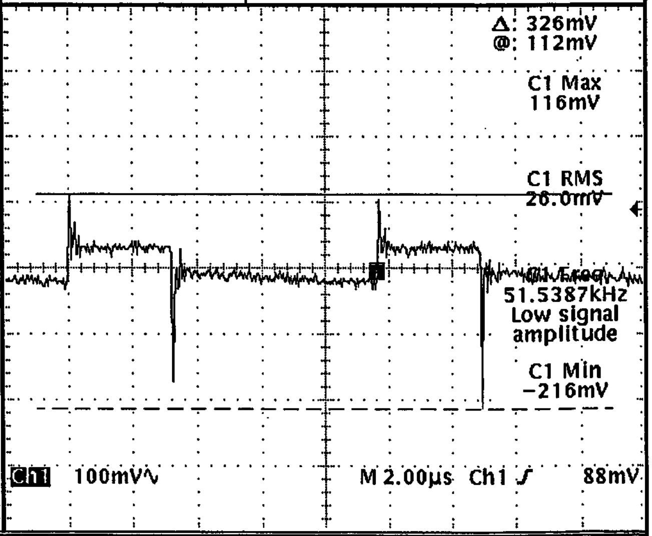
Q503 · 2 Pin(E)		
No.328	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



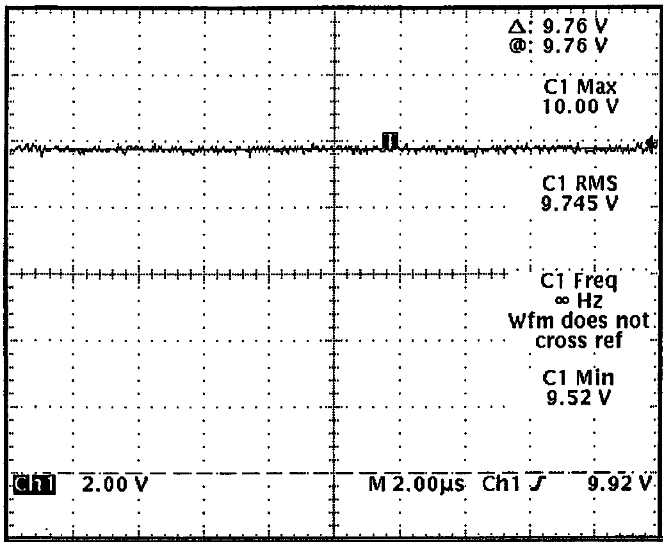
Q503 · 2 Pin(E)		
No.329	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



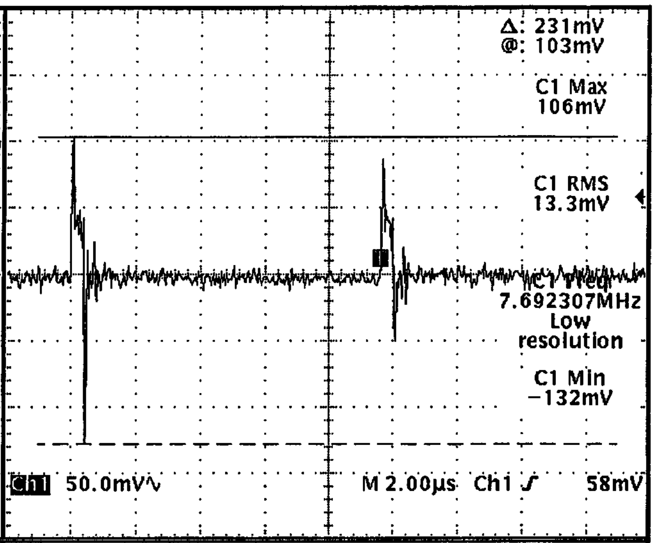
Q503 · 2 Pin(E)		
No.330	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



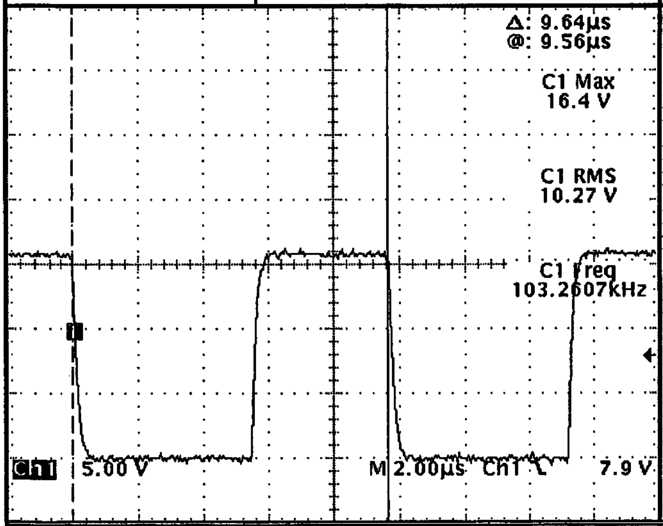
Q503 · 2 Pin(E)		
No.331	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



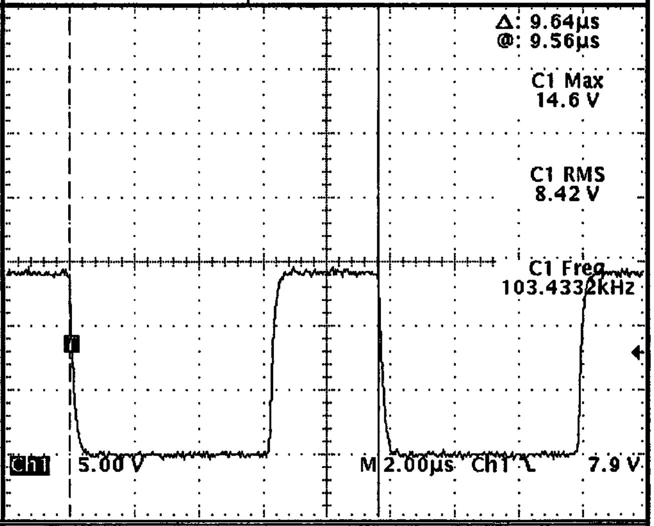
Q503 ·	2 Pin(E)	
No.332	Volt/Div=	V/Div
DC・AC	Time/Div=	S/Div



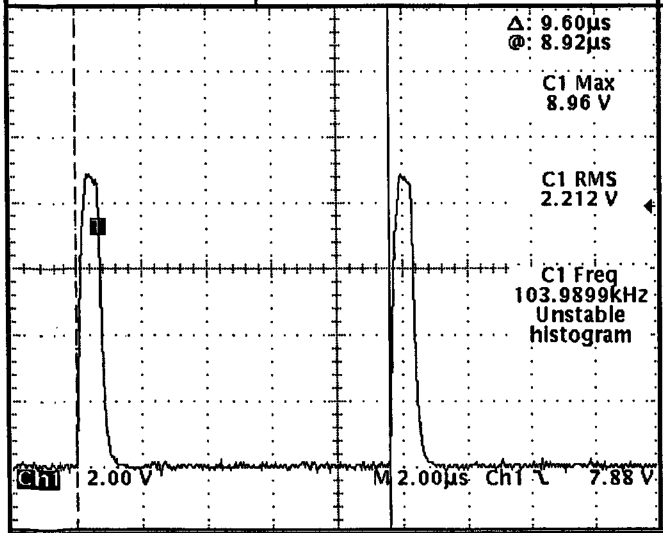
Q503 ·	2 Pin(E)	
No.333	Volt/Div=	V/Div
DC・AC	Time/Div=	S/Div



Q 503 ·	3 Pin(C)	
No.334	Volt/Div=	V/Div
DC・AC	Time/Div=	S/Div



Q503 ·	3 Pin(C)	
No.335	Volt/Div=	V/Div
DC・AC	Time/Div=	S/Div



Q503 ·	3 Pin(C)	
No.336	Volt/Div=	V/Div
DC・AC	Time/Div=	S/Div

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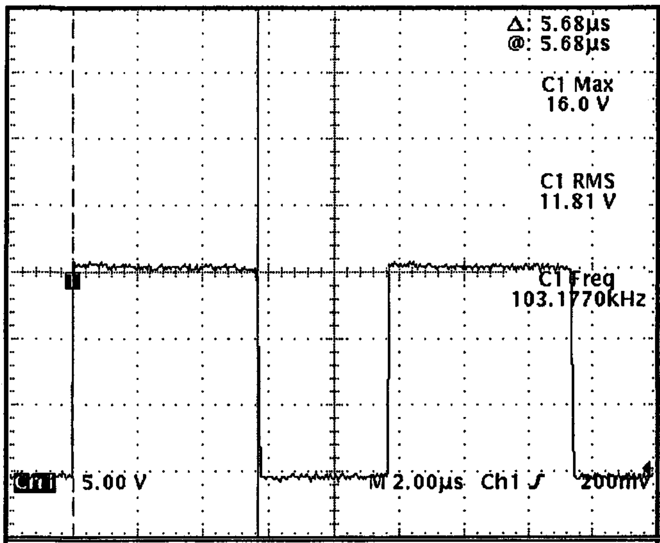
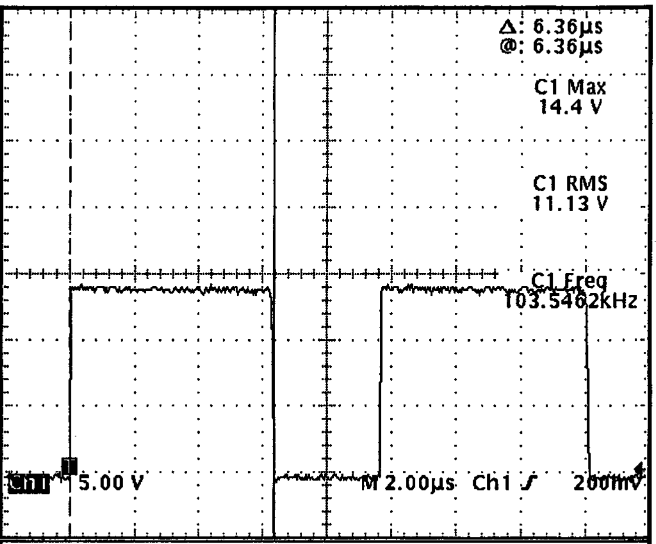
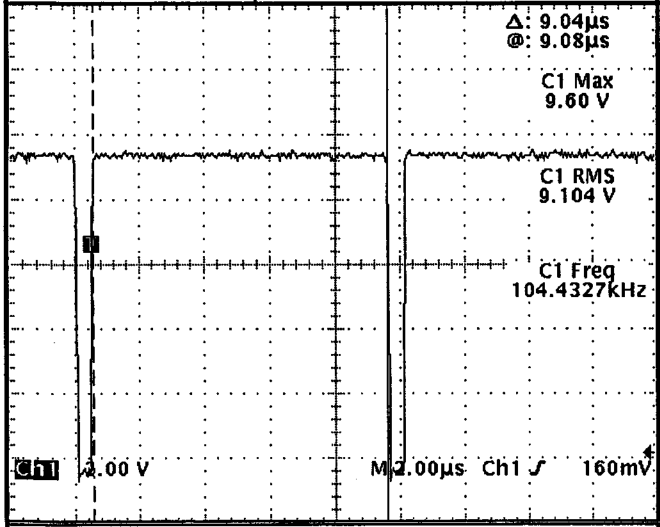
No.	Volt/Div=	V/Div
DC・AC	Time/Div=	S/Div



Q504 - 4 Pin(D)		
No.337	Volt/Div=	V/Div
DC・AC	Time/Div=	S/Div



Q504 - 4 Pin(D)		
No.338	Volt/Div=	V/Div
DC・AC	Time/Div=	S/Div



Q504 - 4 Pin(D)		
No.339	Volt/Div=	V/Div
DC・AC	Time/Div=	S/Div

-		
No.	Volt/Div=	V/Div
DC・AC	Time/Div=	S/Div

−		
No.	Volt/Div=	V/Div
DC・AC	Time/Div=	S/Div

−		
No.	Volt/Div=	V/Div
DC・AC	Time/Div=	S/Div

Description of IC Terminal

EV0103FB : IC400

No.	Symbol	I/O	Terminal Description
1	NC	–	No connect terminal.
2			
3	BL PWM	O	DIMMER adjustment PWM signal output terminal.
4	NC	–	No connect terminal.
5	BACKCTL	I	Back control signal input terminal.
6	REMCTLN	O	NAVI mode remote control signal output terminal.
7	NC	–	No connect terminal.
8	MMOD	–	Test terminal.
9	REMCTLA1	O	AUX1 mode remote control signal output terminal.
10	REMCTLA2	O	AUX2 mode remote control signal output terminal.
11	REMCTLA3	O	AUX3 mode remote control signal output terminal.
12	NC	–	No connect terminal.
13	MODE1	O	Display mode switching control signal output terminal-1.
14	MODE2	O	Display mode switching control signal output terminal-2.
15	NC	–	No connect terminal.
16			
17	DIMMER IN	I	DIMMER control sensor signal input terminal.
18	NC	–	No connect terminal.
19			
20	NP CTL	O	NTSC/PAL distinction signal output terminal.
21	GUID DEY	I	Guidance control polarity distinction signal input terminal.
22	NC	–	No connect terminal.
23			
24	REMOTE	I	Remote control receiving signal input terminal.
25	VSS	–	GND connect terminal.
26	OSC OUT	O	OSC connect terminal for the system clock.
27	OSC IN	I	
28	VDD1	–	VDD connect terminal.
29	NC	–	No connect terminal.
30	SCL	O	IIC clock output terminal.
31	NC	–	No connect terminal.
32	SDA	I/O	IIC data signal input/output terminal.
33	NC	–	No connect terminal.
34			
35	STAND BY	O	Power supply control signal output terminal.
36	NC	–	No connect terminal.
37	VSYNC	I	Vertical synchronous signal input terminal.
38	NC	–	No connect terminal.
39	RESET	I	RESET input terminal.
40	RGB/COMP	O	Image input switching control signal output terminal.
41	R OUT	O	Red character signal output terminal.
42	G OUT	O	Green character signal output terminal.
43	B OUT	O	Blue color character signal output terminal.
44	YS	O	Image signal control output terminal.
45	NC	–	No connect terminal.

No.	Symbol	I/O	Terminal Description
46	VSS	–	GND connect terminal.
47	NC	–	No connect terminal.
48			
49	HSYNC	I	Horizontal synchronous signal input terminal.
50	NC	–	No connect terminal.
51			
52	RGB ON	I	NAVI connect distinction signal input terminal.
53	DISPCTL	I	Display control signal input terminal.
54	GUIDCTL	I	Guidance control signal input terminal.
55	PARKING	I	Parking brake signal input terminal.
56	H BRAKE	I	Hand brake signal input terminal.
57	F BRAKE	I	Foot brake signal input terminal.
58	NC	–	No connect terminal.
59	VDD	–	VDD connect terminal.
60	VOLUME	O	PWM signal output terminal for volume adjustment.
61	BRIGHT	O	PWM signal output terminal for brightness adjustment.
62	COLOR	O	PWM signal output terminal for color adjustment.
63	NC	–	No connect terminal.
64	TINT	O	PWM signal output terminal for tint adjustment.

EV0103FB : IC400

端子番号	端子信号	I/O	機能と接続
1	NC	–	未使用端子。
2			
3	BL PWM	O	ディマー調整用PWM信号出力端子。
4	NC	–	未使用端子。
5	BACKCTL	I	バック・コントロール信号入力端子。
6	REMCTLN	O	NAVIモード・リモコン制御信号出力端子。
7	NC	–	未使用端子。
8	MMOD	–	テスト専用端子。
9	REMCTLA1	O	AUX1モード・リモコン制御信号出力端子。
10	REMCTLA2	O	AUX2モード・リモコン制御信号出力端子。
11	REMCTLA3	O	AUX3モード・リモコン制御信号出力端子。
12	NC	–	未使用端子。
13	MODE1	O	画面表示モード1切換制御信号出力端子。
14	MODE2	O	画面表示モード2切換制御信号出力端子。
15	NC	–	未使用端子。
16			
17	DIMMER IN	I	ディマー制御センサー信号入力端子。
18	NC	–	未使用端子。
19			
20	NP CTL	O	NTSC/PAL判別信号出力端子。
21	GUID DEY	I	ガイダンス・コントロール極性判別信号入力端子。
22	NC	–	未使用端子。
23			

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端子番号	端子信号	I/O	機能と接続
24	REMOTE	I	リモコン受信信号入力端子。
25	VSS	-	GND接続端子。
26	OSC OUT	O	システム・クロック用発振子接続端子。
27	OSC IN	I	
28	VDD1	-	VDD接続端子。
29	NC	-	未使用端子。
30	SCL	O	IIC系クロック出力端子。
31	NC	-	未使用端子。
32	SDA	I/O	IIC系データ信号入出力端子。
33	NC	-	未使用端子。
34			
35	STAND BY	O	電源制御信号出力端子。
36	NC	-	未使用端子。
37	VSYNC	I	垂直同期信号入力端子。
38	NC	-	未使用端子。
39	RESET	I	RESET入力端子。
40	RGB/COMP	O	映像入力切換制御信号出力端子。
41	R OUT	O	赤色文字信号出力端子。
42	G OUT	O	緑色文字信号出力端子。
43	B OUT	O	青色文字信号出力端子。
44	YS	O	映像信号制御出力端子。
45	NC	-	未使用端子。
46	VSS	-	GND接続端子。
47	NC	-	未使用端子。
48			
49	HSYNC	I	水平同期信号入力端子。
50	NC	-	未使用端子。
51			
52	RGB ON	I	NAVI接続判別信号入力端子。
53	DISPCTL	I	ディスプレイ・コントロール信号入力端子。
54	GUIDCTL	I	ガイダンス・コントロール信号入力端子。
55	PARKING	I	パーキング・ブレーキ信号入力端子。
56	H BRAKE	I	ハンド・ブレーキ信号入力端子。
57	F BRAKE	I	フット・ブレーキ信号入力端子。
58	NC	-	未使用端子。
59	VDD	-	VDD接続端子。
60	VOLUME	O	音量調整用PWM信号出力端子。
61	BRIGHT	O	輝度調整用PWM信号出力端子。
62	COLOR	O	カラー調整用PWM信号出力端子。
63	NC	-	未使用端子。
64	TINT	O	色合い調整用PWM信号出力端子。

Electrical Parts List

Capacitor : μF=microfarads,pF=picofarads

Abbreviations

RES. = Resistor
C.F. = Carbon Film
M.F. = Metal Film
M.O. = Metal OxideFilm
M.P. = Metal Plate
TR. = Transistor
TRANS. = Transformer
CP. = Chip

CAP. = Capacitor
ELY. = Electrolytic
CER. = Ceramic
MYL. = Mylar
TAN. = Tantalum
POLY. = Polystyrol
PP. = Polypropylene
PLT. = Polyethylene
PF. = Polyester Film

Main P.W.Board

IC's

Symbol No.	Part No.	Description
IC300	51E26195S01	MM1234XFBE
IC301	51E33731S01	NJM12904V(TE1)
IC302	51E29872S01	CXA2069Q
IC303	51E29884S01	M5222FP-600C
IC304	51E29884S01	M5222FP-600C
IC305	51E33731S01	NJM12904V(TE1)
IC306	51E33730S01	NJM12902V(TE1)
IC307	51E33732S01	NJM2073D
IC308	51E25114S01	NJM386D
IC400	51E33733S01	EV0103FB
IC401	51E26812S01	M24C02-WMN6T
IC402	51E33727S01	M51957AFP-600C
IC403	51E33728S01	TC7S32F(TE85L)
IC404	51E33728S01	TC7S32F(TE85L)
IC405	51E33726S01	TC7S14F(TE85L)
IC406	51E31710S01	HD74HC14FPEL
IC500	51E26814S01	BA178M05FP-E2
IC501	51E33729S01	TA48M033F
IC502	51E29875S01	HA16114FPEL
IC503	51E26814S01	BA178M05FP-E2
IC504	51E29871S01	BA08FP-E2

Transistors

Symbol No.	Part No.	Description
Q300	48E24270S01	UNR221300L
Q301	48E31740S01	XN0121200L
Q302	48E24274S01	2SD0601ARL
Q303	48E24274S01	2SD0601ARL
Q304	48E24273S01	UNR211300L
Q305	48E24270S01	UNR221300L
Q306	48E24270S01	UNR221300L
Q307	48E24270S01	UNR221300L
Q308	48E24274S01	2SD0601ARL
Q309	48E24274S01	2SD0601ARL
Q310	48E24274S01	2SD0601ARL
Q311	48E24502S01	2SB0709ARL
Q312	48E24502S01	2SB0709ARL
Q313	48E24502S01	2SB0709ARL
Q314	48E24274S01	2SD0601ARL
Q315	48E24274S01	2SD0601ARL
Q316	48E24274S01	2SD0601ARL
Q317	48E24270S01	UNR221300L
Q400	48E24274S01	2SD0601ARL
Q401	48E24274S01	2SD0601ARL
Q402	48E24274S01	2SD0601ARL
Q403	48E24274S01	2SD0601ARL
Q404	48E24270S01	UNR221300L
Q405	48E24270S01	UNR221300L
Q406	48E31740S01	XN0121200L
Q407	48E31740S01	XN0121200L
Q408	48E31740S01	XN0121200L
Q409	48E31740S01	XN0121200L
Q410	48E24270S01	UNR221300L
Q411	48E24274S01	2SD0601ARL
Q412	48E24274S01	2SD0601ARL
Q413	48E24270S01	UNR221300L
Q414	48E24274S01	2SD0601ARL
Q415	48E24274S01	2SD0601ARL
Q416	48E24274S01	2SD0601ARL
Q418	48E24270S01	UNR221300L
Q419	48E24274S01	2SD0601ARL
Q420	48E24270S01	UNR221300L
Q421	48E31740S01	XN0121200L
Q500	48E24270S01	UNR221300L
Q501	48E24274S01	2SD0601ARL
Q502	48E24274S01	2SD0601ARL
Q503	48E24502S01	2SB0709ARL
Q504	48E29892S01	2SJ527(S)TR

Diodes

Symbol No.	Part No.	Description
D401	48E24504S01	MA3J142E0L
D501	48E24504S01	MA3J142E0L
D503	48E24504S01	MA3J142E0L
D504	48E31743S01	SB40-03T-TL
ZD303	48E29895S01	MAZ9075D0L
ZD304	48E24508S01	MAZ30750HL
ZD305	48E24508S01	MAZ30750HL
ZD306	48E24508S01	MAZ30750HL
ZD307	48E24508S01	MAZ30750HL

Symbol No.	Part No.	Description
ZD308	48E29895S01	MAZ9075D0L
ZD309	48E29895S01	MAZ9075D0L
ZD400	48E29895S01	MAZ9075D0L
ZD401	48E24508S01	MAZ30750HL
ZD402	48E26004S01	MAZ30560LL
ZD403	48E29895S01	MAZ9075D0L
ZD404	48E29895S01	MAZ9075D0L
ZD405	48E29895S01	MAZ9075D0L
ZD500	48E29893S01	MAZ30910ML
ZD501	48E29895S01	MAZ9075D0L
ZD502	48E29895S01	MAZ9075D0L
ZD503	48E33002S01	ST50V-27F
Coils		
L500	24E24602S01	ETQ24Y35AZ
L501	24E29890S01	CDRH127-680MC
L502	24E29890S01	CDRH127-680MC
Crystal		
X400	91E33735S01	022MA4060027700
Filter		
FB400	25E33734S01	BLM18HD601SN1D
Switch		
SW300	40E24261S01	SSSS926400
Capacitors		
C300	08E33743S01	GRM188F11E104ZA01D
C301	08E33743S01	GRM188F11E104ZA01D
C302	08E33743S01	GRM188F11E104ZA01D
C303	08E33743S01	GRM188F11E104ZA01D
C304	08E24540S01	GRM21BF11C105ZA01L
C305	08E24540S01	GRM21BF11C105ZA01L
C306	08E33015S01	GRM1882C1H220JZ01D
C307	08E24540S01	GRM21BF11C105ZA01L
C308	08E24540S01	GRM21BF11C105ZA01L
C309	08E24540S01	GRM21BF11C105ZA01L
C310	08E25041S01	GRM188B11H472KA01D

Symbol No.	Part No.	Description
C311	08E25033S01	GRM188B11H103KA01D
C313	08E33015S01	GRM1882C1H220JZ01D
C314	08E24540S01	GRM21BF11C105ZA01L
C315	08E33743S01	GRM188F11E104ZA01D
C316	08E24540S01	GRM21BF11C105ZA01L
C317	08E24540S01	GRM21BF11C105ZA01L
C318	08E24540S01	GRM21BF11C105ZA01L
C319	08E25044S01	GRM188B11E223KA01D
C320	08E24540S01	GRM21BF11C105ZA01L
C321	08E25055S01	GRM188B11H102KA01D
C322	08E24540S01	GRM21BF11C105ZA01L
C323	08E25055S01	GRM188B11H102KA01D
C324	08E24540S01	GRM21BF11C105ZA01L
C325	08E24540S01	GRM21BF11C105ZA01L
C326	08E25044S01	GRM188B11E223KA01D
C327	08E24540S01	GRM21BF11C105ZA01L
C328	08E24540S01	GRM21BF11C105ZA01L
C329	08E33015S01	GRM1882C1H220JZ01D
C330	08E24540S01	GRM21BF11C105ZA01L
C331	08E24540S01	GRM21BF11C105ZA01L
C332	08E33015S01	GRM1882C1H220JZ01D
C333	08E24540S01	GRM21BF11C105ZA01L
C334	08E33015S01	GRM1882C1H220JZ01D
C335	08E33743S01	GRM188F11E104ZA01D
C336	08E24540S01	GRM21BF11C105ZA01L
C337	08E33015S01	GRM1882C1H220JZ01D
C338	08E33015S01	GRM1882C1H220JZ01D
C339	08E33015S01	GRM1882C1H220JZ01D
C340	08E33743S01	GRM188F11E104ZA01D
C341	08E24540S01	GRM21BF11C105ZA01L
C342	08E24540S01	GRM21BF11C105ZA01L
C343	08E24540S01	GRM21BF11C105ZA01L
C344	08E24540S01	GRM21BF11C105ZA01L
C345	08E26776S01	GRM21BB11C224KA01L
C346	08E33015S01	GRM1882C1H220JZ01D
C347	08E33015S01	GRM1882C1H220JZ01D
C348	08E33015S01	GRM1882C1H220JZ01D
C349	08E33015S01	GRM1882C1H220JZ01D
C350	08E26776S01	GRM21BB11C224KA01L
C351	08E33015S01	GRM1882C1H220JZ01D
C352	08E24540S01	GRM21BF11C105ZA01L
C353	08E33743S01	GRM188F11E104ZA01D
C354	08E24540S01	GRM21BF11C105ZA01L
C355	08E33015S01	GRM1882C1H220JZ01D
C356	08E24540S01	GRM21BF11C105ZA01L
C357	08E24540S01	GRM21BF11C105ZA01L
C358	08E24540S01	GRM21BF11C105ZA01L
C359	08E24540S01	GRM21BF11C105ZA01L
C360	08E24540S01	GRM21BF11C105ZA01L

Symbol No.	Part No.	Description
C361	08E24540S01	GRM21BF11C105ZA01L
C362	08E24540S01	GRM21BF11C105ZA01L
C363	08E24540S01	GRM21BF11C105ZA01L
C364	08E24540S01	GRM21BF11C105ZA01L
C365	08E33743S01	GRM188F11E104ZA01D
C366	08E24540S01	GRM21BF11C105ZA01L
C367	08E24540S01	GRM21BF11C105ZA01L
C368	08E24540S01	GRM21BF11C105ZA01L
C369	08E24540S01	GRM21BF11C105ZA01L
C370	08E24540S01	GRM21BF11C105ZA01L
C371	08E24540S01	GRM21BF11C105ZA01L
C372	08E24540S01	GRM21BF11C105ZA01L
C373	08E24540S01	GRM21BF11C105ZA01L
C374	08E24540S01	GRM21BF11C105ZA01L
C375	08E24540S01	GRM21BF11C105ZA01L
C376	08E25393S01	GRM21BB11A105KA01L
C377	08E33744S01	GRM1882C1H6R0DZ01D
C378	08E33744S01	GRM1882C1H6R0DZ01D
C379	08E33744S01	GRM1882C1H6R0DZ01D
C380	08E24540S01	GRM21BF11C105ZA01L
C383	08E25393S01	GRM21BB11A105KA01L
C400	08E25370S01	GRM188B11H222KA01D
C401	08E25370S01	GRM188B11H222KA01D
C402	08E25370S01	GRM188B11H222KA01D
C403	08E25370S01	GRM188B11H222KA01D
C404	08E33743S01	GRM188F11E104ZA01D
C405	08E25033S01	GRM188B11H103KA01D
C406	08E25046S01	GRM1882C1H150JZ01D
C407	08E25046S01	GRM1882C1H150JZ01D
C408	08E25033S01	GRM188B11H103KA01D
C410	08E33743S01	GRM188F11E104ZA01D
C411	08E33743S01	GRM188F11E104ZA01D
C412	08E33743S01	GRM188F11E104ZA01D
C413	08E25033S01	GRM188B11H103KA01D
C414	08E33743S01	GRM188F11E104ZA01D
C415	08E33015S01	GRM1882C1H220JZ01D
C416	08E33743S01	GRM188F11E104ZA01D
C417	08E25055S01	GRM188B11H102KA01D
C418	08E25052S01	GRM1882C1H100JZ01D
C419	08E25052S01	GRM1882C1H100JZ01D
C420	08E25052S01	GRM1882C1H100JZ01D
C421	08E33743S01	GRM188F11E104ZA01D
C428	08E25393S01	GRM21BB11A105KA01L
C429	08E25393S01	GRM21BB11A105KA01L
C430	08E25048S01	GRM1882C1H390JZ01D
C500	08E25055S01	GRM188B11H102KA01D
C501	08E33743S01	GRM188F11E104ZA01D
C503	08E33743S01	GRM188F11E104ZA01D
C504	08E33743S01	GRM188F11E104ZA01D

Symbol No.	Part No.	Description
C505	08E26776S01	GRM21BB11C224KA01L
C507	08E25044S01	GRM188B11E223KA01D
C508	08E28181S01	GRM1881X1H681JZ01D
C509	08E33743S01	GRM188F11E104ZA01D
C511	08E25055S01	GRM188B11H102KA01D
C513	08E25370S01	GRM188B11H222KA01D
C514	08E33743S01	GRM188F11E104ZA01D
C515	08E33743S01	GRM188F11E104ZA01D
C516	08E33743S01	GRM188F11E104ZA01D
C517	08E33743S01	GRM188F11E104ZA01D
C518	08E25055S01	GRM188B11H102KA01D
C519	08E25055S01	GRM188B11H102KA01D
CC300	23E31631S01	EEEHA1C221XP
CC301	23E33748S01	EEEHA1C220R
CC302	23E31630S01	EEEHA1C101WP
CC303	23E33747S01	EEEHA1V4R7R
CC304	23E31631S01	EEEHA1C221XP
CC305	23E31631S01	EEEHA1C221XP
CC306	23E33748S01	EEEHA1C220R
CC307	23E31630S01	EEEHA1C101WP
CC308	23E31629S01	EEEHA1C100R
CC309	23E33748S01	EEEHA1C220R
CC310	23E31631S01	EEEHA1C221XP
CC311	23E31631S01	EEEHA1C221XP
CC312	23E31630S01	EEEHA1C101WP
CC313	23E31630S01	EEEHA1C101WP
CC314	23E31630S01	EEEHA1C101WP
CC315	23E33745S01	EEEHA0J470R
CC316	23E31630S01	EEEHA1C101WP
CC317	23E33745S01	EEEHA0J470R
CC318	23E31630S01	EEEHA1C101WP
CC319	23E33746S01	EEEHA1C470P
CC320	23E31631S01	EEEHA1C221XP
CC321	23E31631S01	EEEHA1C221XP
CC322	23E31631S01	EEEHA1C221XP
CC323	23E31630S01	EEEHA1C101WP
CC324	23E33745S01	EEEHA0J470R
CC325	23E31629S01	EEEHA1C100R
CC326	23E31629S01	EEEHA1C100R
CC327	23E31629S01	EEEHA1C100R
CC328	23E33748S01	EEEHA1C220R
CC402	23E31631S01	EEEHA1C221XP
CC403	23E33748S01	EEEHA1C220R
CC404	23E33747S01	EEEHA1V4R7R
CC500	23E31762S01	UVY1E102MPR1TD
CC502	23E31769S01	UPW1E471MPR1TD
CC504	23E33748S01	EEEHA1C220R
CC505	23E31630S01	EEEHA1C101WP
CC506	23E33748S01	EEEHA1C220R

Symbol No.	Part No.	Description
CC507	23E31768S01	UPW1A102MPR1TD
CC508	23E31631S01	EEEHA1C221XP
CC509	23E31768S01	UPW1A102MPR1TD
CC510	23E31631S01	EEEHA1C221XP
Resistors		
R300	06E24996S01	ERJ3GEYF102V
R301	06E31748S01	MCR18EZHJ221
R302	06E31748S01	MCR18EZHJ221
R303	06E31748S01	MCR18EZHJ221
R304	06E24996S01	ERJ3GEYF102V
R305	06E25005S01	ERJ3GEYF154V
R306	06E25021S01	ERJ3GEYF472V
R307	06E25011S01	ERJ3GEYF223V
R309	06E25010S01	ERJ3GEYF222V
R310	06E31747S01	MCR18EZHJ750
R311	06E25010S01	ERJ3GEYF222V
R312	06E24998S01	ERJ3GEYF104V
R313	06E25011S01	ERJ3GEYF223V
R314	06E25367S01	ERJ3GEYF823V
R315	06E24997S01	ERJ3GEYF103V
R316	06E25011S01	ERJ3GEYF223V
R318	06E25011S01	ERJ3GEYF223V
R319	06E25009S01	ERJ3GEYF221V
R320	06E25009S01	ERJ3GEYF221V
R321	06E25011S01	ERJ3GEYF223V
R322	06E25011S01	ERJ3GEYF223V
R323	06E25021S01	ERJ3GEYF472V
R324	06E25018S01	ERJ3GEYF393V
R325	06E25028S01	ERJ3GEYF682V
R326	06E25016S01	ERJ3GEYF332V
R327	06E24990S01	ERJ3GEYJ3R3V
R328	06E25011S01	ERJ3GEYF223V
R329	06E25016S01	ERJ3GEYF332V
R330	06E25021S01	ERJ3GEYF472V
R331	06E24998S01	ERJ3GEYF104V
R332	06E25016S01	ERJ3GEYF332V
R333	06E25028S01	ERJ3GEYF682V
R334	06E25016S01	ERJ3GEYF332V
R335	06E25011S01	ERJ3GEYF223V
R336	06E25018S01	ERJ3GEYF393V
R337	06E25011S01	ERJ3GEYF223V
R338	06E25011S01	ERJ3GEYF223V
R339	06E33738S01	MCR18EZHJ471
R340	06E25011S01	ERJ3GEYF223V
R341	06E25011S01	ERJ3GEYF223V
R342	06E25016S01	ERJ3GEYF332V

Symbol No.	Part No.	Description
R343	06E25011S01	ERJ3GEYF223V
R344	06E33738S01	MCR18EZHJ471
R345	06E33738S01	MCR18EZHJ471
R346	06E25016S01	ERJ3GEYF332V
R347	06E25021S01	ERJ3GEYF472V
R348	06E33740S01	ERJ3GEYF622V
R349	06E25021S01	ERJ3GEYF472V
R350	06E29960S01	ERJ6GEYJ1R0V
R351	06E25011S01	ERJ3GEYF223V
R352	06E25011S01	ERJ3GEYF223V
R353	06E25011S01	ERJ3GEYF223V
R354	06E29953S01	ERJ3GEYF121V
R355	06E25011S01	ERJ3GEYF223V
R356	06E29960S01	ERJ6GEYJ1R0V
R357	06E24997S01	ERJ3GEYF103V
R358	06E25008S01	ERJ3GEYF220V
R359	06E25008S01	ERJ3GEYF220V
R360	06E29953S01	ERJ3GEYF121V
R361	06E25011S01	ERJ3GEYF223V
R362	06E25011S01	ERJ3GEYF223V
R363	06E25011S01	ERJ3GEYF223V
R364	06E25011S01	ERJ3GEYF223V
R365	06E25011S01	ERJ3GEYF223V
R366	06E25011S01	ERJ3GEYF223V
R367	06E25011S01	ERJ3GEYF223V
R368	06E25011S01	ERJ3GEYF223V
R369	06E25011S01	ERJ3GEYF223V
R370	06E25011S01	ERJ3GEYF223V
R371	06E25011S01	ERJ3GEYF223V
R372	06E28600S01	MCR18EZHJ101
R373	06E25021S01	ERJ3GEYF472V
R374	06E25011S01	ERJ3GEYF223V
R375	06E25366S01	ERJ3GEYF392V
R376	06E25028S01	ERJ3GEYF682V
R377	06E25011S01	ERJ3GEYF223V
R378	06E25011S01	ERJ3GEYF223V
R379	06E31747S01	MCR18EZHJ750
R380	06E28600S01	MCR18EZHJ101
R381	06E25006S01	ERJ3GEYF182V
R382	06E25006S01	ERJ3GEYF182V
R383	06E28600S01	MCR18EZHJ101
R384	06E31747S01	MCR18EZHJ750
R385	06E31747S01	MCR18EZHJ750
R386	06E28600S01	MCR18EZHJ101
R387	06E31747S01	MCR18EZHJ750
R388	06E31747S01	MCR18EZHJ750
R389	06E25010S01	ERJ3GEYF222V
R390	06E25031S01	ERJ3GEYF752V
R391	06E25031S01	ERJ3GEYF752V

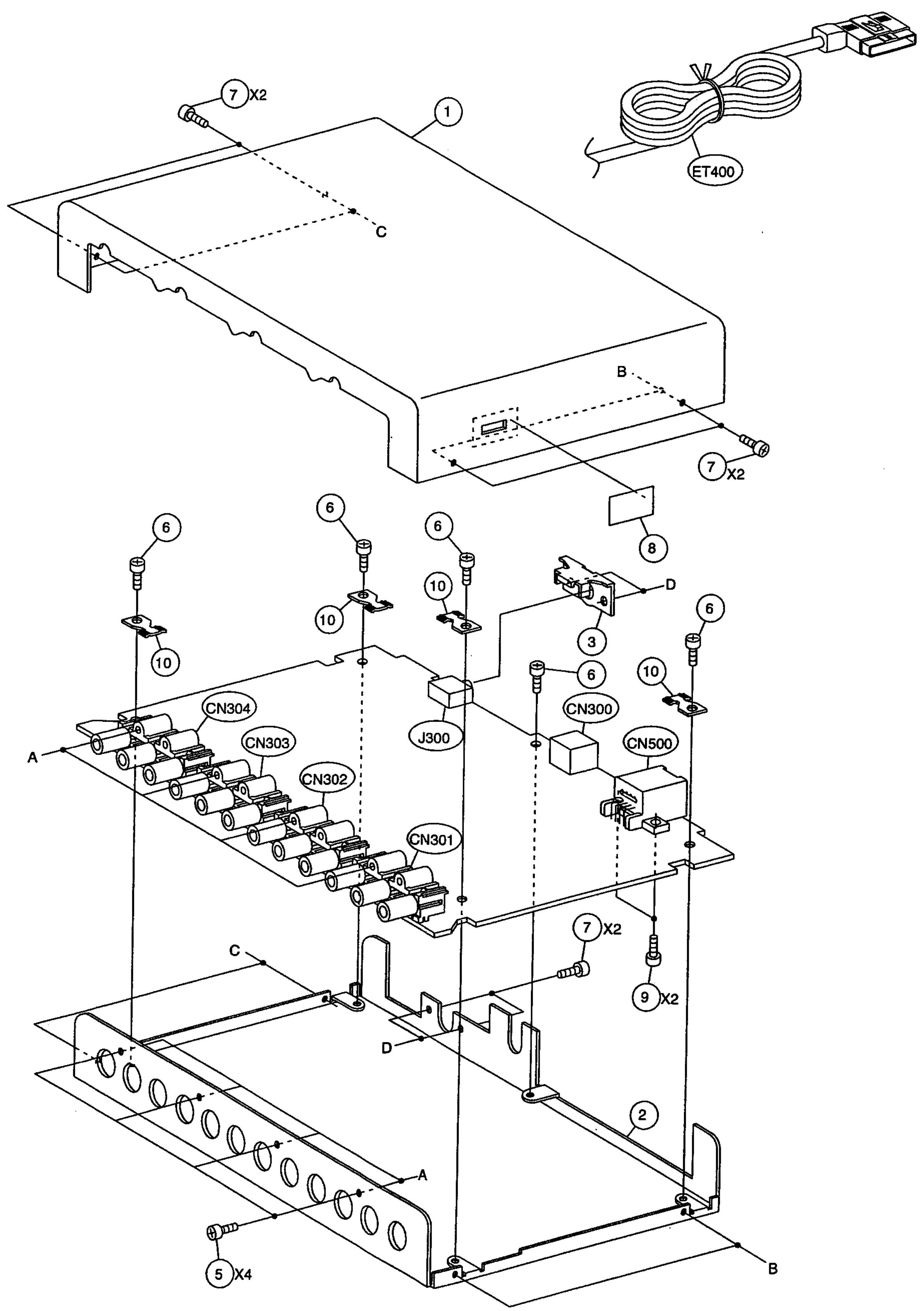
Symbol No.	Part No.	Description
R392	06E25031S01	ERJ3GEYF752V
R393	06E24997S01	ERJ3GEYF103V
R394	06E24997S01	ERJ3GEYF103V
R395	06E24997S01	ERJ3GEYF103V
R396	06E24996S01	ERJ3GEYF102V
R397	06E24996S01	ERJ3GEYF102V
R398	06E24996S01	ERJ3GEYF102V
R399	06E25017S01	ERJ3GEYF333V
R400	06E33741S01	ERJ3GEYF751V
R401	06E24995S01	ERJ3GEYF101V
R402	06E24995S01	ERJ3GEYF101V
R403	06E24995S01	ERJ3GEYF101V
R405	06E24995S01	ERJ3GEYF101V
R406	06E24995S01	ERJ3GEYF101V
R407	06E24995S01	ERJ3GEYF101V
R408	06E24997S01	ERJ3GEYF103V
R409	06E31750S01	MCR18EZHJ122
R410	06E31750S01	MCR18EZHJ122
R411	06E31750S01	MCR18EZHJ122
R412	06E31750S01	MCR18EZHJ122
R413	06E25010S01	ERJ3GEYF222V
R414	06E25010S01	ERJ3GEYF222V
R415	06E25010S01	ERJ3GEYF222V
R416	06E25010S01	ERJ3GEYF222V
R417	06E25010S01	ERJ3GEYF222V
R418	06E25017S01	ERJ3GEYF333V
R419	06E24997S01	ERJ3GEYF103V
R420	06E24997S01	ERJ3GEYF103V
R421	06E25021S01	ERJ3GEYF472V
R422	06E25029S01	ERJ3GEYF683V
R423	06E24996S01	ERJ3GEYF102V
R424	06E24996S01	ERJ3GEYF102V
R425	06E25022S01	ERJ3GEYF473V
R426	06E24997S01	ERJ3GEYF103V
R427	06E24996S01	ERJ3GEYF102V
R428	06E24996S01	ERJ3GEYF102V
R429	06E25364S01	ERJ3GEYF183V
R430	06E24997S01	ERJ3GEYF103V
R431	06E25009S01	ERJ3GEYF221V
R432	06E25022S01	ERJ3GEYF473V
R433	06E26200S01	ERJ3GEY0R00V
R434	06E25025S01	ERJ3GEYF563V
R435	06E24997S01	ERJ3GEYF103V
R436	06E25029S01	ERJ3GEYF683V
R437	06E25022S01	ERJ3GEYF473V
R438	06E25017S01	ERJ3GEYF333V
R439	06E25020S01	ERJ3GEYF471V
R440	06E25009S01	ERJ3GEYF221V
R441	06E25009S01	ERJ3GEYF221V

Symbol No.	Part No.	Description
R442	06E24996S01	ERJ3GEYF102V
R443	06E24996S01	ERJ3GEYF102V
R444	06E33741S01	ERJ3GEYF751V
R445	06E24996S01	ERJ3GEYF102V
R446	06E33741S01	ERJ3GEYF751V
R447	06E25013S01	ERJ3GEYF272V
R448	06E25013S01	ERJ3GEYF272V
R449	06E24996S01	ERJ3GEYF102V
R450	06E33741S01	ERJ3GEYF751V
R451	06E24998S01	ERJ3GEYF104V
R452	06E29957S01	ERJ3GEYF330V
R453	06E24995S01	ERJ3GEYF101V
R454	06E24995S01	ERJ3GEYF101V
R455	06E24996S01	ERJ3GEYF102V
R456	06E24996S01	ERJ3GEYF102V
R457	06E24996S01	ERJ3GEYF102V
R458	06E24996S01	ERJ3GEYF102V
R459	06E28121S01	ERJ8GEY0R00V
R460	06E24996S01	ERJ3GEYF102V
R461	06E25003S01	ERJ3GEYF152V
R462	06E28205S01	ERJ3GEYF470V
R463	06E24995S01	ERJ3GEYF101V
R464	06E25021S01	ERJ3GEYF472V
R465	06E25021S01	ERJ3GEYF472V
R466	06E25021S01	ERJ3GEYF472V
R467	06E24998S01	ERJ3GEYF104V
R468	06E25364S01	ERJ3GEYF183V
R469	06E24996S01	ERJ3GEYF102V
R470	06E24997S01	ERJ3GEYF103V
R471	06E24997S01	ERJ3GEYF103V
R472	06E24997S01	ERJ3GEYF103V
R473	06E24997S01	ERJ3GEYF103V
R474	06E25003S01	ERJ3GEYF152V
R475	06E24996S01	ERJ3GEYF102V
R476	06E25003S01	ERJ3GEYF152V
R477	06E25010S01	ERJ3GEYF222V
R487	06E25029S01	ERJ3GEYF683V
R488	06E25025S01	ERJ3GEYF563V
R489	06E24995S01	ERJ3GEYF101V
R490	06E26200S01	ERJ3GEY0R00V
R500	06E25020S01	ERJ3GEYF471V
R501	06E25022S01	ERJ3GEYF473V
R502	06E25020S01	ERJ3GEYF471V
R503	06E24998S01	ERJ3GEYF104V
R504	06E24997S01	ERJ3GEYF103V
R505	06E24998S01	ERJ3GEYF104V
R507	06E25364S01	ERJ3GEYF183V
R508	06E25022S01	ERJ3GEYF473V
R509	06E29954S01	ERJ3GEYF133V

Symbol No.	Part No.	Description
R510	06E25366S01	ERJ3GEYF392V
R511	06E29955S01	ERJ3GEYF243V
R512	06E25024S01	ERJ3GEYF562V
R513	06E25021S01	ERJ3GEYF472V
R514	06E25021S01	ERJ3GEYF472V
R515	06E29957S01	ERJ3GEYF330V
R516	06E25020S01	ERJ3GEYF471V
R517	06E33742S01	ERJL14KJ47MU
R518	06E25024S01	ERJ3GEYF562V
R519	06E25364S01	ERJ3GEYF183V
R521	06E25024S01	ERJ3GEYF562V
R522	06E33739S01	ERJ3GEYF241V
R600	06E25017S01	ERJ3GEYF333V
R601	06E25017S01	ERJ3GEYF333V
R602	06E24996S01	ERJ3GEYF102V
R603	06E24996S01	ERJ3GEYF102V
R604	06E24996S01	ERJ3GEYF102V
R605	06E25017S01	ERJ3GEYF333V
R606	06E25017S01	ERJ3GEYF333V
R607	06E25017S01	ERJ3GEYF333V
R608	06E26774S01	ERJ3GEYF821V
R609	06E26774S01	ERJ3GEYF821V
R610	06E26774S01	ERJ3GEYF821V
R611	06E24996S01	ERJ3GEYF102V
R612	06E24996S01	ERJ3GEYF102V
R613	06E24996S01	ERJ3GEYF102V
R614	06E25011S01	ERJ3GEYF223V
R615	06E25011S01	ERJ3GEYF223V
R616	06E25011S01	ERJ3GEYF223V
R617	06E25011S01	ERJ3GEYF223V
R618	06E25011S01	ERJ3GEYF223V
R619	06E25011S01	ERJ3GEYF223V
R620	06E26202S01	ERJ3GEYF561V
R621	06E26202S01	ERJ3GEYF561V
R622	06E26202S01	ERJ3GEYF561V
R623	06E25013S01	ERJ3GEYF272V
R624	06E24996S01	ERJ3GEYF102V
R625	06E25005S01	ERJ3GEYF154V
R626	06E24997S01	ERJ3GEYF103V
R627	06E28600S01	MCR18EZHJ101
R628	06E28600S01	MCR18EZHJ101
R629	06E28600S01	MCR18EZHJ101
R630	06E28600S01	MCR18EZHJ101
R631	06E25011S01	ERJ3GEYF223V
Connectors		
CN400	09E33737S01	A59-014-020-HICD

Symbol No.	Part No.	Description
CN501	09E33736S01	M60-07-30-114P
Miscelaneous		
CN300	09E28117S01	TCS7741-502010 (NAVIGATION INPUT)
CN301	09E29888S01	JPJ4666-01-432 (AUX INPUT 1 (VIDEO/AUDIO))
CN302	09E29888S01	JPJ4666-01-432 (AUX INPUT 2 (VIDEO/AUDIO))
CN303	09E29888S01	JPJ4666-01-432 (AUX INPUT 3 (VIDEO/AUDIO))
CN304	09E29888S01	JPJ4666-01-432 (AUX OUTPUT (VIDEO/AUDIO))
CN500	09E24264S01	174049-2 (POWER SUPPLY)
ET400	30E33810S01	MONITOR CORD (DISPLAY OUTPUT)
J300	09E29887S01	HSJ0922-01-1140 (HEADPHONE OUTPUT)

Exploded View (Cabinet) (AV Interface Unit)


7 X2
1
ET400
C
B
7 X2
8
6
6
6
10
10
10
3
D
6
10
10
6
CN304
CN303
CN302
CN301
J300
CN300
CN500
A
7 X2
9 X2
C
D
2
A
5 X4
B

Cabinet Assembly Parts List

NOTE:Parts without part number are not supplied.

Symbol No.	Index	Part No.	Description
1		15E33807S01	CASE,TOP
2		15E33808S01	CASE,BOTTOM
3		07E33809S01	BKT,JACK
5		03E33812S01	SCREW
6		03E33813S01	SCREW
7		03E30940S01	SCREW
8		54E33814S01	LABEL,ROUND
9		03E33749S01	SCREW
10		29E31779S01	SPRING GND

Symbol No.	Index	Part No.	Description

● Monitor Unit

Contents

Specifications 103

Parts Layout on P.W.Boards and Wiring Diagram .... 104~107

Schematic Diagram .... 108~110

Terminal Voltage of IC/TR and Waveform .... 111~174

Electrical Parts List .... 175~179

Cabinet Assembly Parts List 180

Exploded View (Cabinet) 181, 182

Specifications

Screen Size	6.5-type
Display System	Low reflection rear projection type TN liquid crystal panel
Drive System	Active matrix drive, normally white display
Number of Picture Elements	280,800 pcs. (H : 1200×V : 234 dots)
Light Source	Internal optical system (U-type cold cathode fluorescent tube)
Dimensions (W×H×D)	177×100×32mm
Weight	380g

NOTE : Due to continuing product improvement, specifications and designs are subject to change without notice.

● 規格および外観は、改良の為、予告なく変更することがあります。

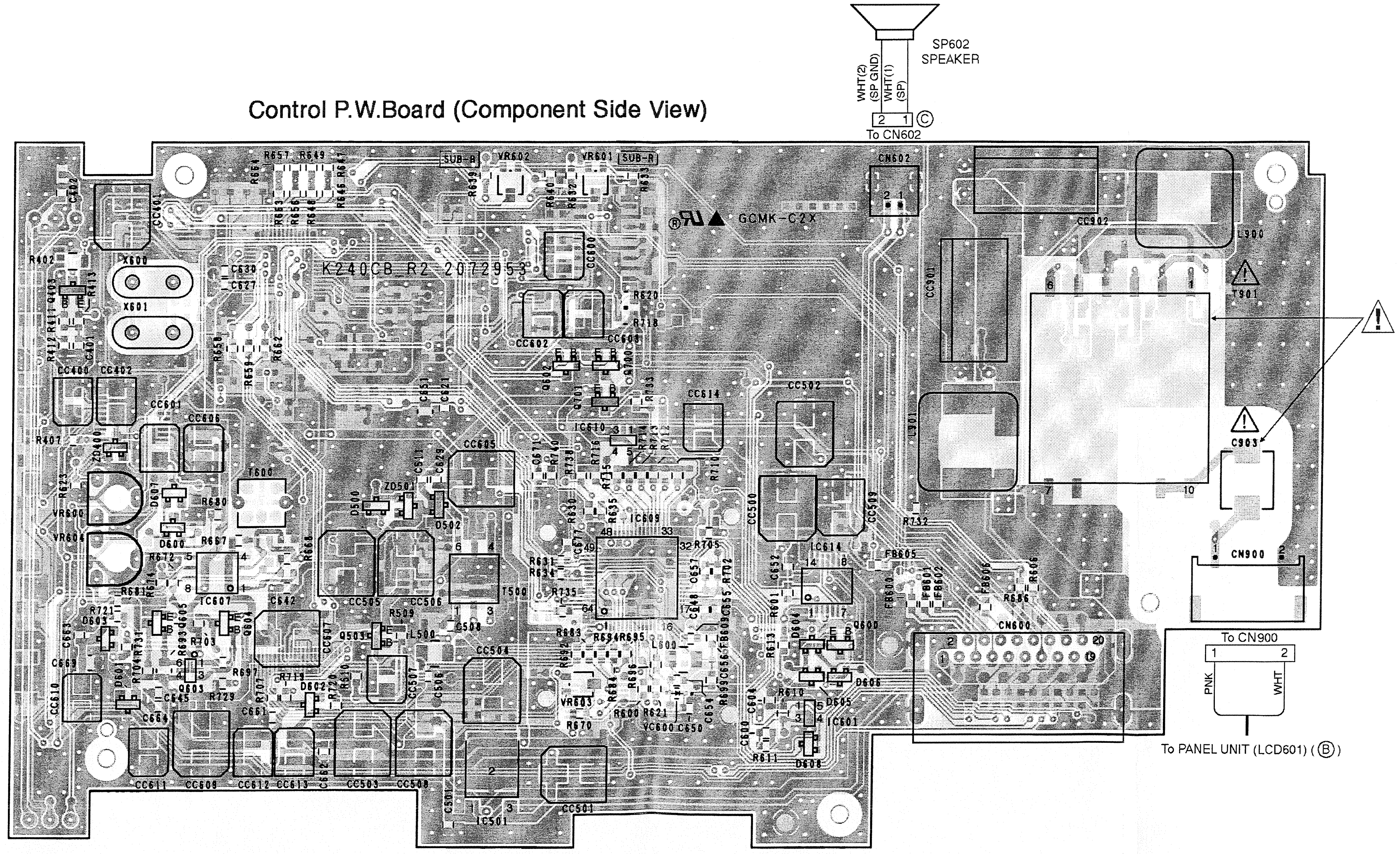
Parts Layout on P.W.Boards and Wiring Diagram (1/2)

1

Caution : The part marked with ⚠ is generating a high voltage, so care will be necessary when working.

2

Control P.W.Board (Component Side View)


SP602
SPEAKER
WHT(2)
(SP GND)
WHT(1)
(SP)
2 1 Ⓒ
To CN602
CN602
GCMK-C2X
K240CB R2 2072953
SUB-B
VR602
VR601
SUB-R
R657 R649
X600
X601
CC401
CC400 CC402
CC601
CC606
CC605
CC602
CC600
CC603
CC614
CC502
CC901
CC902
L900
T901
L901
C903
CN900
CN600
T600
T500
IC609
IC610
IC614
IC607
IC601
IC501
VR600
VR604
VR603
D600
D601
D500
D502
ZD501
ZD400
Q502
Q503
Q600
Q603
Q604
Q605
L500
L600
CC500
CC503
CC504
CC505
CC506
CC507
CC508
CC509
CC501
CC611
CC609
CC612
CC613
CC610
R402
R407
R623
R680
R667
R672
R721
R697
R713
R720
R610
R735
R705
R732
R620
R718
R600 R621
R670
R611
D605
D606
D608
FB600
FB601
FB602
FB605
FB606
To CN900
1 2
PNK
WHT
To PANEL UNIT (LCD601) (Ⓑ)

3

4

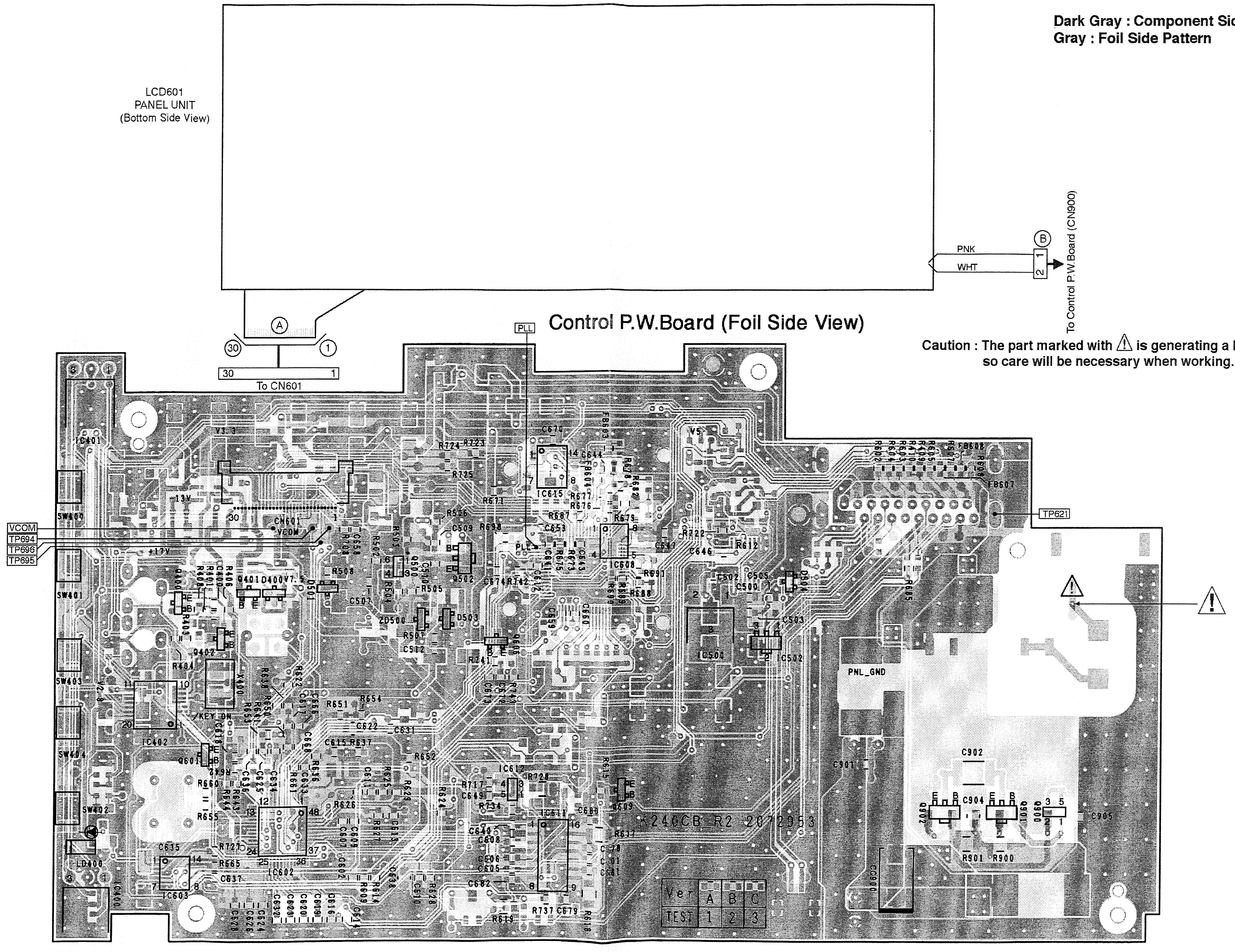
5

Dark Gray : Component Side Pattern
Gray : Foil Side Pattern

A | B | C | D | E | F | G

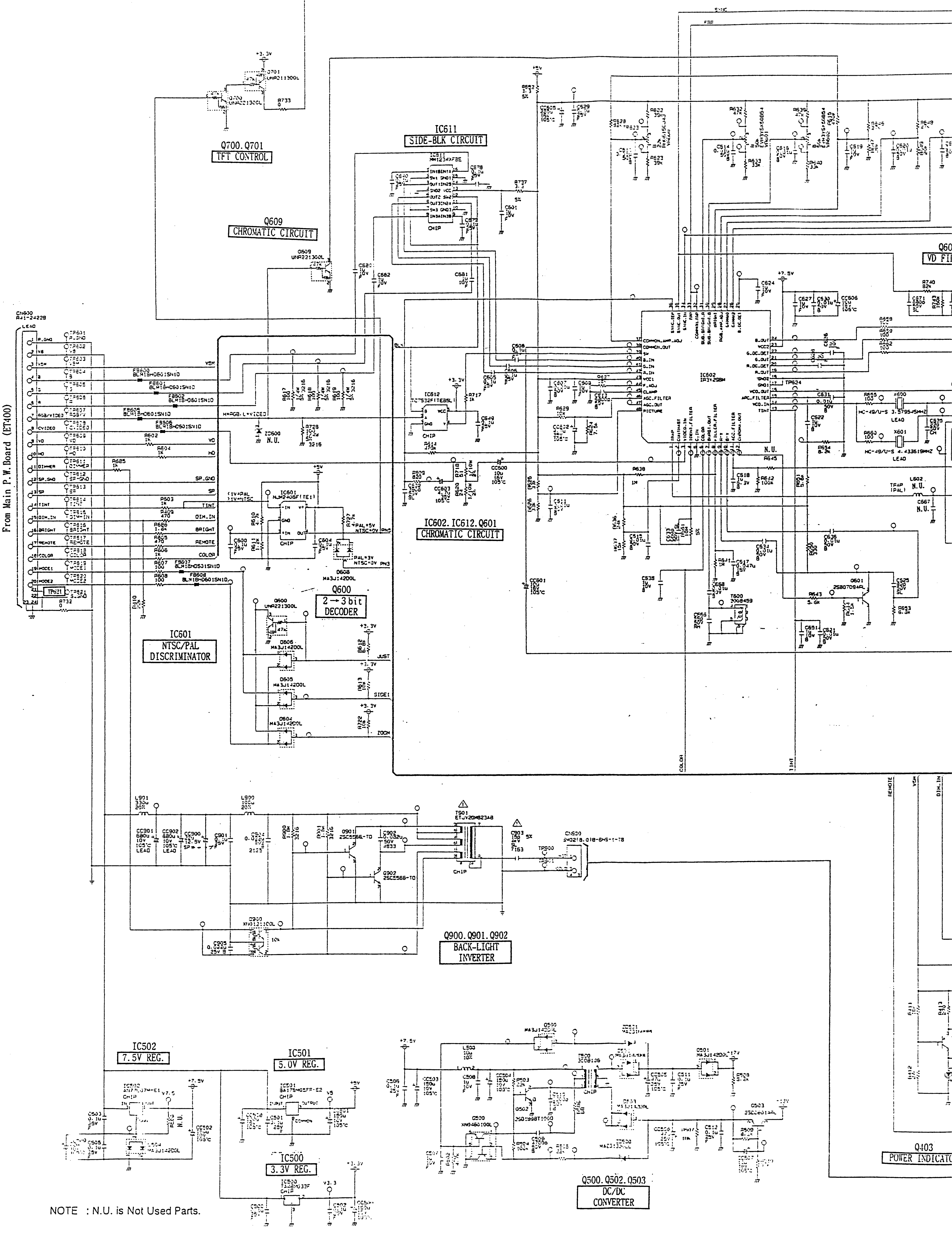
Parts Layout on P.W.Boards and Wiring Diagram (2/2)

Dark Gray : Component Side Pattern
Gray : Foil Side Pattern

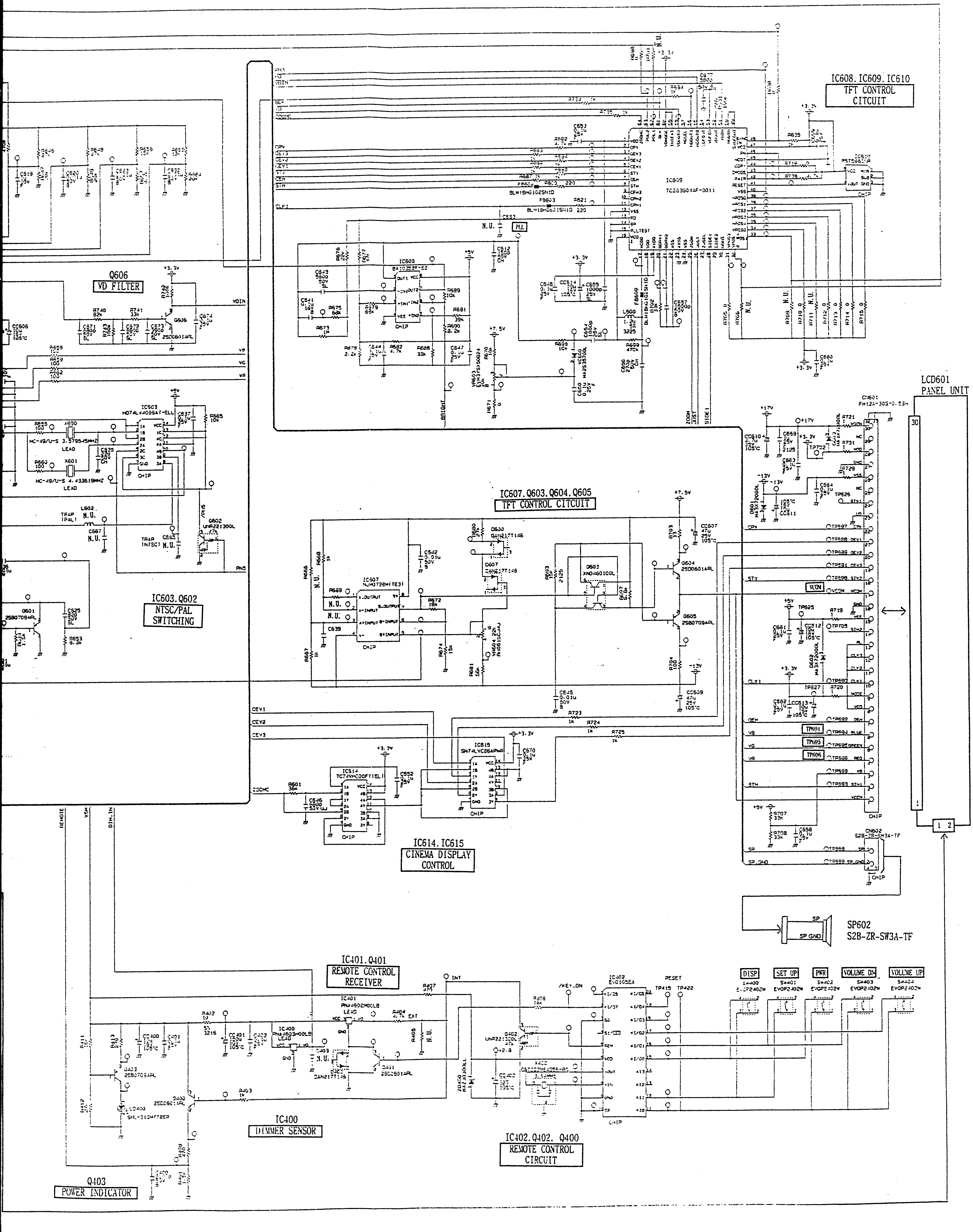

LCD601
PANEL UNIT
(Bottom Side View)
A
30
1
To CN601
PNK
WHT
B
1
2
To Control P.W.Board (CN900)
Control P.W.Board (Foil Side View)
PLL
VCOM
TP694
TP696
TP695
TP621
CN601
IC401
IC402
IC500
IC502
IC602
IC603
IC608
IC611
IC612
IC615
SW400
SW401
SW402
SW403
SW404
LD400
Q400
Q401
Q407
Q500
Q502
Q601
Q605
Q609
Q900
Q901
Q902
D400
D500
D503
ZD500
X400
C901
C902
C903
C904
C905
R900
R901
PNL_GND
KEY_ON
V3.3
V5
13V
+17V
K240CB R2 20729S3
Ver
A
B
C
TEST
1
2
3
1
2
3
4
5
A
B
C
D
E
F
G

Caution : The part marked with ⚠ is generating a high voltage, so care will be necessary when working.

Schematic Diagram

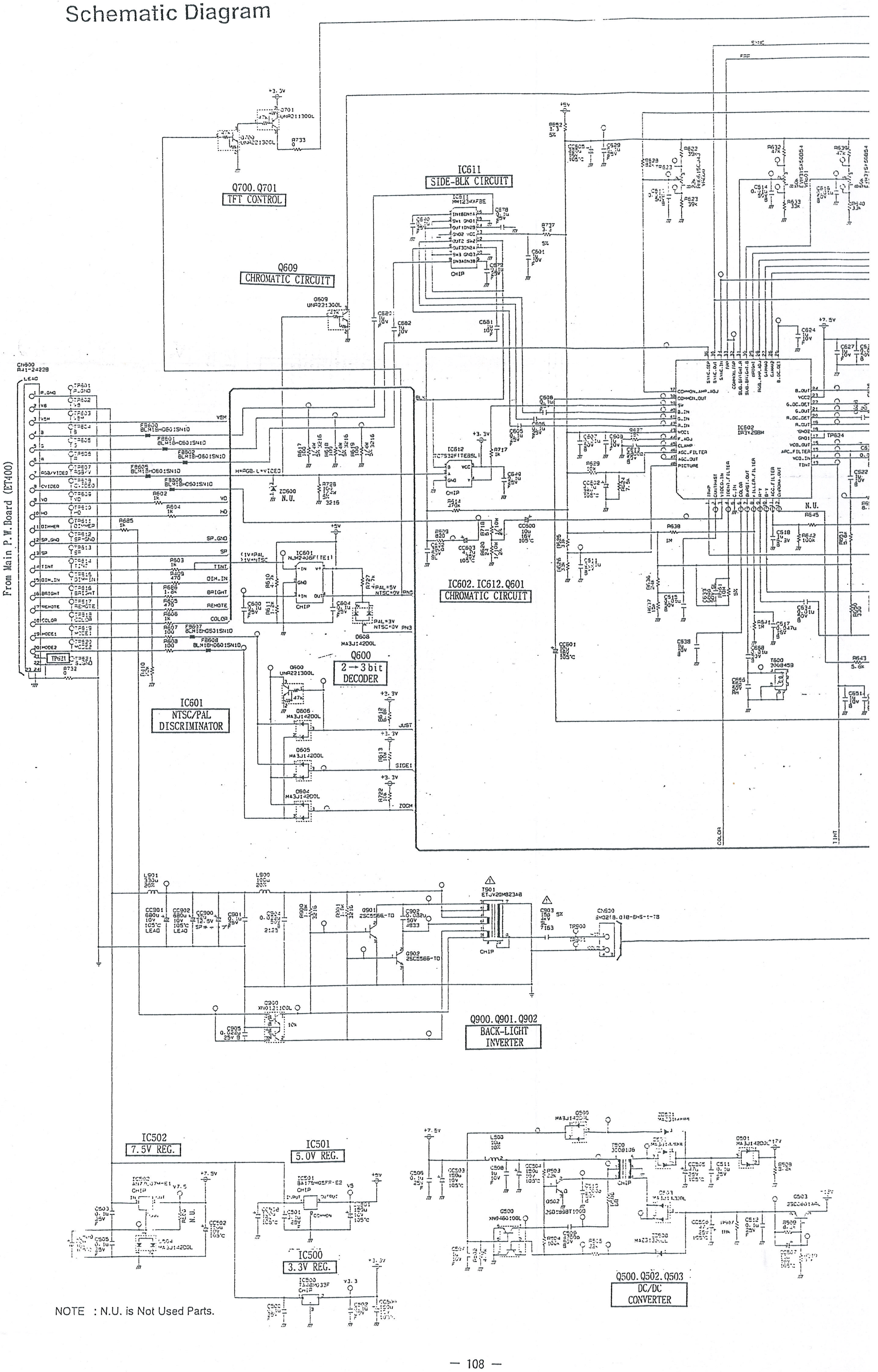

Q700.Q701
TFT CONTROL
IC611
SIDE-BLK CIRCUIT
Q609
CHROMATIC CIRCUIT
From Main P.W.Board (ET400)
IC602.IC612.Q601
CHROMATIC CIRCUIT
IC602
Q600
2→3bit
DECODER
IC601
NTSC/PAL
DISCRIMINATOR
Q60
VD FI
Q900.Q901.Q902
BACK-LIGHT
INVERTER
IC502
7.5V REG.
IC501
5.0V REG.
IC500
3.3V REG.
Q500.Q502.Q503
DC/DC
CONVERTER
Q403
POWER INDICATO

NOTE : N.U. is Not Used Parts.

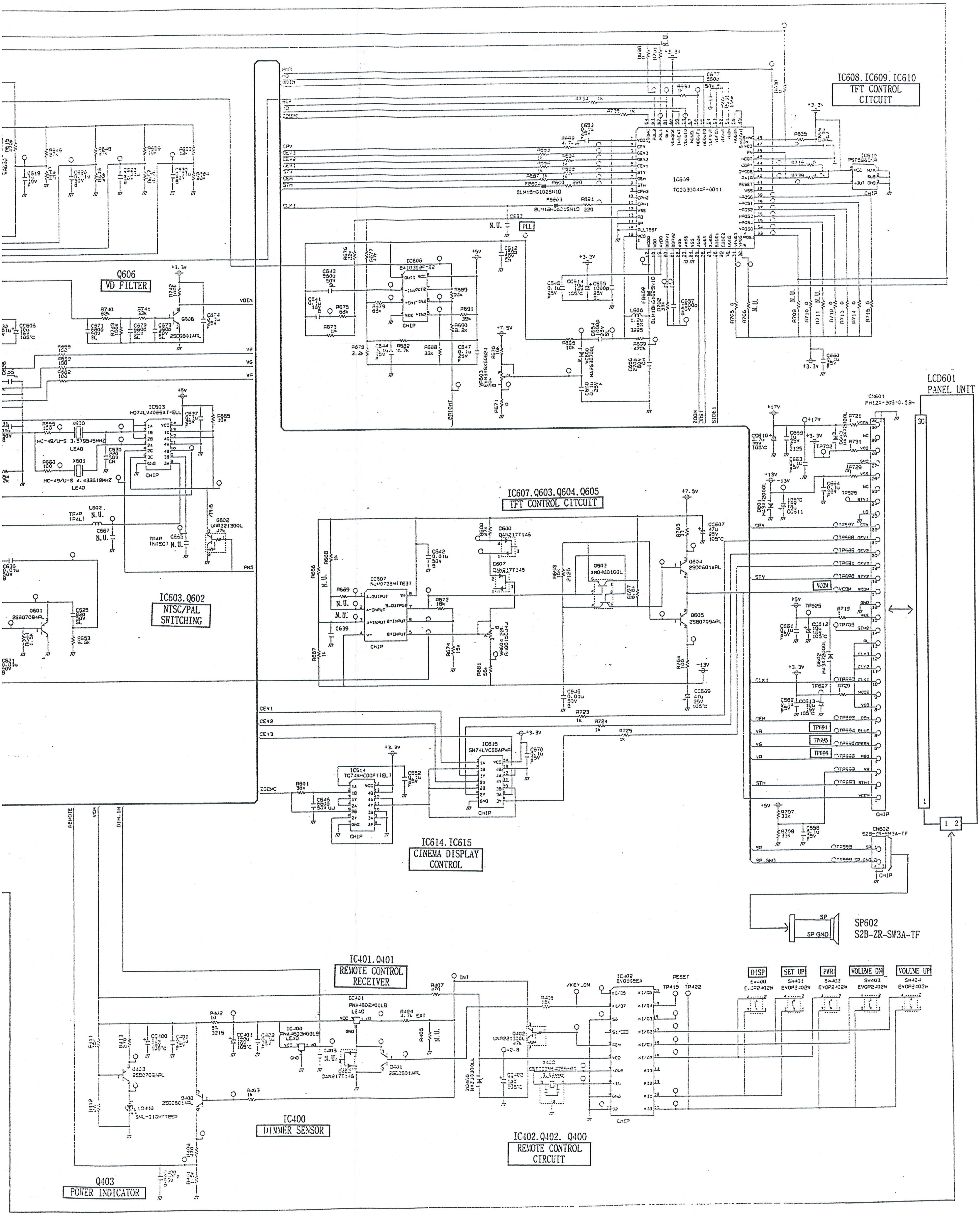

IC608. IC609. IC610
TFT CONTROL CITCUIT
IC609
TC203G04AF-0011
IC610
PST598
Q606
VD FILTER
2SD0601AFL
IC605
BA10358F-E2
PLL
BRIGHT
LCD601
PANEL UNIT
CN601
FH12A-30S-0.5SH
IC503
HD74LV4066AT-ELL
X600
HC-49/U-S 3.579545MHZ
X601
HC-49/U-S 4.433619MHZ
L602
N.U.
IC603.Q602
NTSC/PAL SWITCHING
Q601
2SB0709ARL
IC607.Q603.Q604.Q605
TFT CONTROL CITCUIT
IC607
NJM072M(TE3)
Q604
2SD0601ARL
Q605
2SB0709ARL
Q603
XN04601C0L
VCOM
IC615
SN74LVC86APWR
IC614
TC7W00FU(TE12L)
IC614. IC615
CINEMA DISPLAY CONTROL
CN602
S2B-ZR-SM3A-TF
SP602
S2B-ZR-SW3A-TF
SP
SP GND
IC401.Q401
REMOTE CONTROL RECEIVER
IC401
PNA4602M00LB
IC400
PNA4603-00L9
IC400
DIMMER SENSOR
Q403
2SB0709ARL
LD400
SML-310MTT86P
Q403
POWER INDICATOR
IC402.Q402. Q400
REMOTE CONTROL CIRCUIT
IC402
EVC105EA
DISP
SET UP
PWR
VOLUME DN
VOLUME UP
S400
S401
S402
S403
S404
EVQP2402W
REMOTE
VSW
DIM. IN
CEV1
CEV2
CEV3
ZOCMC
STV
CPV
CLK1
OEH
VB
VG
VR
STH
SP
SP_GND
+3.3V
+5V
+7.5V
+17V
-13V

Control P.W.Board

Schematic Diagram


Q700. Q701
TFT CONTROL
IC611
SIDE-BLK CIRCUIT
Q609
CHROMATIC CIRCUIT
CN600
From Main P. W. Board (ET400)
IC602. IC612. Q601
CHROMATIC CIRCUIT
IC602
Q600
2→3 bit
DECODER
IC601
NTSC/PAL
DISCRIMINATOR
Q900. Q901. Q902
BACK-LIGHT
INVERTER
IC502
7.5V REG.
IC501
5.0V REG.
IC500
3.3V REG.
Q500. Q502. Q503
DC/DC
CONVERTER
N.U.
+3.3V
+5V
+7.5V
JUST
SIGE1
ZOOM
VD
HD
SP_GND
SP
TINT
DIM.IN
BRIGHT
REMOTE
COLOR
PAL=5V
NTSC=0V
PAL=3V
NTSC=0V
T501
ETJV20M823AB
CN530
TP900
CHIP

NOTE : N.U. is Not Used Parts.

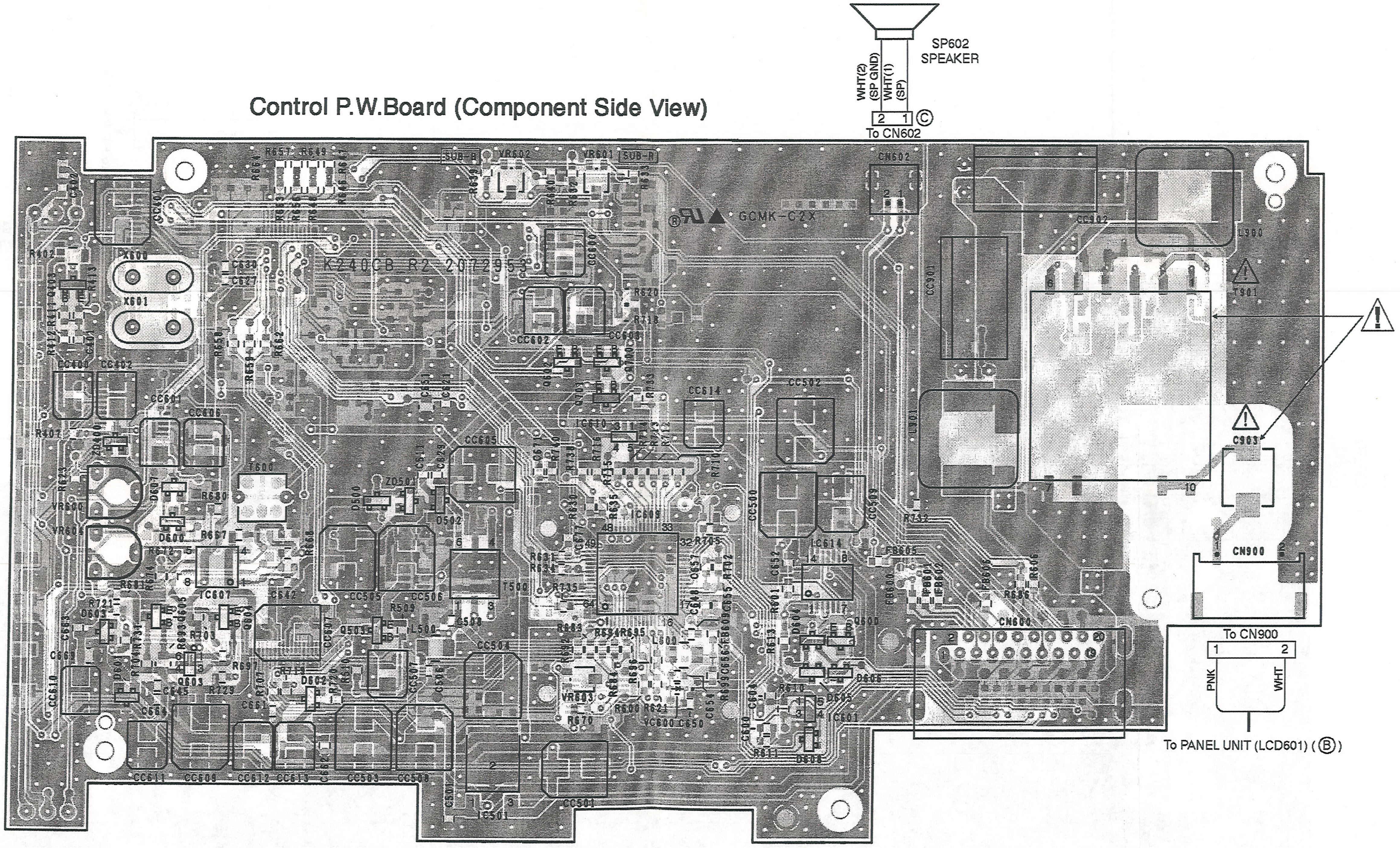

IC608. IC609. IC610
TFT CONTROL CITCUIT
IC609
Q606
VD FILTER
IC603.Q602
NTSC/PAL SWITCHING
IC607.Q603.Q604.Q605
TFT CONTROL CITCUIT
IC614.IC615
CINEMA DISPLAY CONTROL
LCD601
PANEL UNIT
CN601
CN602
SP602
S2B-ZR-SW3A-TF
SP
SP GND
IC401.Q401
REMOTE CONTROL RECEIVER
IC400
DIMMER SENSOR
IC402.Q402. Q400
REMOTE CONTROL CIRCUIT
Q403
POWER INDICATOR
DISP
SET UP
PWR
VOLUME DN
VOLUME UP
REMOTE
VSN
DIM_IN
CEV1
CEV2
CEV3
ZOOM
JUST
SIDE1
BRIGHT
VDIN
VB
VG
VR
PNS
CHIP

Control P.W.Board

Parts Layout on P.W.Boards and Wiring Diagram (1/2)

Caution : The part marked with ⚠ is generating a high voltage, so care will be necessary when working.

Control P.W.Board (Component Side View)

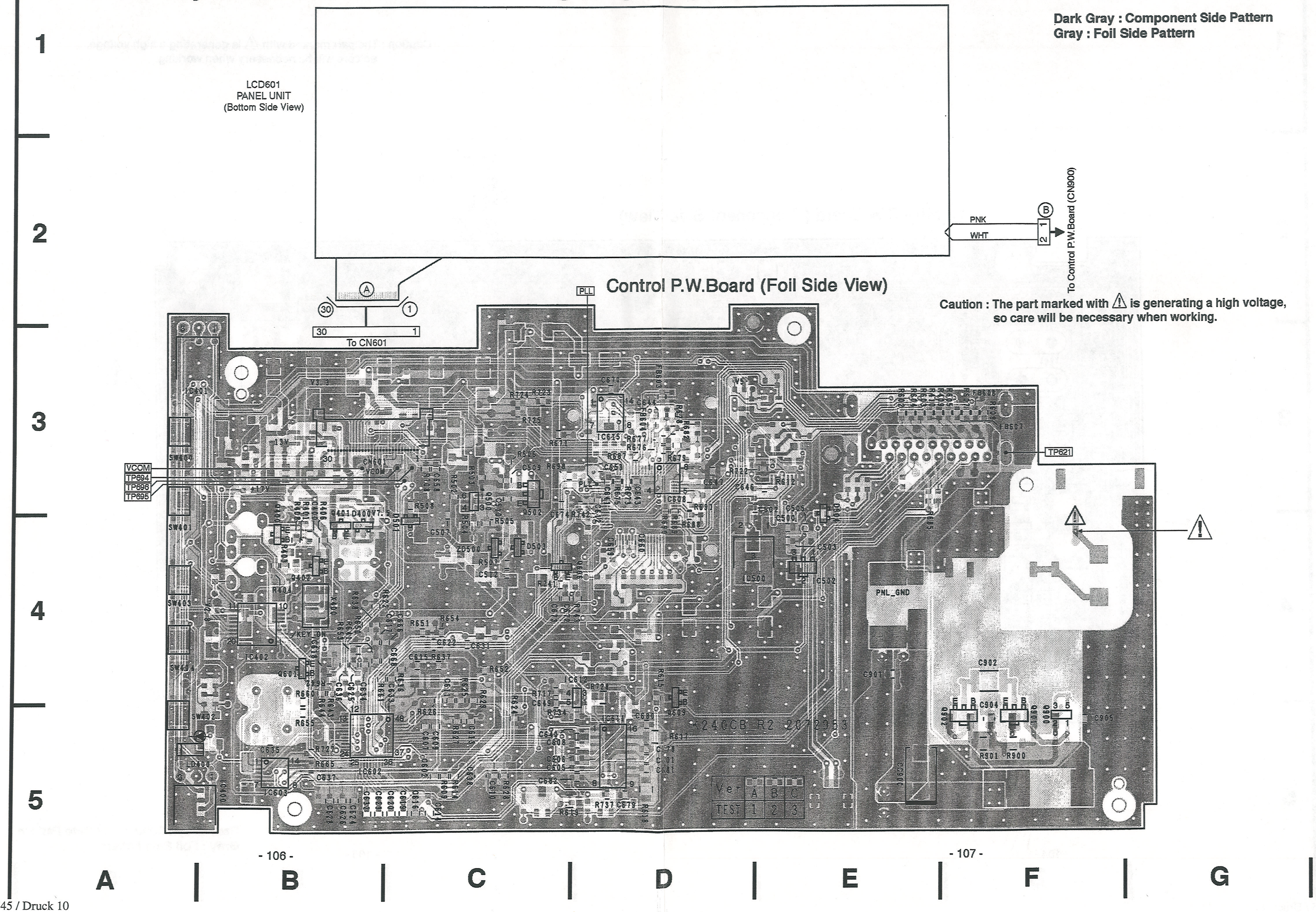

SP602
SPEAKER
WHT(2) (SP GND)
WHT(1) (SP)
2 1 Ⓒ
To CN602
CN602
K240CB R2 2072953
GOMK-C2X
X600
X601
VR600
VR601
VR602
IC601
IC605
IC610
IC614
IC501
T500
T600
T901
L900
L901
L500
L600
CC902
CC900
CC903
C903
CN900
CN600
⚠
To CN900
1 2
PNK
WHT
To PANEL UNIT (LCD601) (Ⓑ)

Dark Gray : Component Side Pattern
Gray : Foil Side Pattern

1
2
3
4
5

A | B | C | D | E | F | G

Parts Layout on P.W.Boards and Wiring Diagram (2/2)



Dark Gray : Component Side Pattern
Gray : Foil Side Pattern

Control P.W.Board (Foil Side View)

Caution : The part marked with ⚠ is generating a high voltage, so care will be necessary when working.

1
2
3
4
5
A
B
C
D
E
F
G
LCD601
PANEL UNIT
(Bottom Side View)
A
30
1
30
1
To CN601
PNK
WHT
B
1
2
To Control P.W.Board (CN900)
PLL
VCOM
TP694
TP696
TP695
TP621
PNL_GND
IC401
IC402
IC500
IC502
IC503
IC602
IC603
IC608
IC612
IC615
CN601
SW400
SW401
SW402
SW403
SW404
Q501
Q502
Q601
Q609
Q900
Q901
Q902
D400
D401
D501
D503
D504
ZD500
LD400
C901
C902
C904
C905
C906
R900
R901
V3.3
13V
17V
KEY_ON
Ver
A
B
C
TEST
1
2
3

Terminal Voltage of IC/TR

Rer. No.	Pin No.	Voltage(V)	NOTE
IC400	1	waveform1	DIMMER "Low" or "High":waveform2
	2	0	
	3	5.04	VCC(v5m)
IC401	1	4.84	Remote control receiving:waveform3,KEY On:waveform3-1
	2	0	Remote control receiving:0(V), KEY On:waveform3-1
	3	5.04	VCC(v5m)
IC402	1	NC	
	2	waveform4,5	Vol Down Key:On
	3	0	
	4	NC	
	5	waveform6,7	Vol Down Key:On
	6	2.88	
	7	0	Vol Down Key On:waveform8,9
	8	0	Vol Down Key On:waveform10,11
	9	0	GND
	10	0	GND
	11	0	Vol Down Key On:waveform12
	12	0	AUX/MODE Key On:waveform13
	13	NC	
	14	NC	
	15	2.88	DISP Key On:waveform14
	16	2.88	Vol Down Key On:waveform15
	17	2.88	Vol Up Key On:waveform16
	18	NC	
	19	NC	
	20	NC	
IC500	1	8.61	
	2	3.32	
	3	0	
IC501	1	8.61	
	2	0	
	3	5	
IC502	1	7.5	
	2	0.624	
	3	8.61	
IC601	1	3.12	RED MAX:2.2(V), GREEN MAX:4.12(V)
	2	0	
	3	1.12	
	4	0	PAL:4.36(V)
	5	5	
IC602-1	1	—	
	2	2.04	PAL:1.98(V)
	3	waveform17	NTSC color bar input:waveform18, PAL waveform19
			※A color bar should be inputted after this.
	4	waveform20	PAL:waveform21
	5	0	
	6	3.24	COLOR MAX 4.2(V), MIN 2.36(V)
			PAL MID:3.22, MAX:4.2(V),MIN:2.32(V)
	7	waveform22,23	PAL:waveform24,25

Rer. No.	Pin No.	Voltage(V)	NOTE
IC602-2	8	waveform26,27	PAL:1.76(V)
	9	waveform28,29	PAL:waveform30,31
	10	waveform32,33	PAL:waveform34,35
	11	1.86	PAL:1.9(V)
	12	waveform36,37	PAL:waveform38,39
	13	3.12	RED MAX:2.2(V), GREEN MAX:4.12(V)
	14	waveform40,41	PAL:waveform42,43
	15	2.52	PAL:2.5(V)
	16	waveform44,45	PAL:waveform46,47
	17	0	
	18	0	
	19	waveform48,49	PAL:waveform50,51
	20	2.82	PAL:2.84(V)
	21	waveform52,53	PAL:waveform55,56
	22	2.82	PAL:2.82(V)
	23	7.5	
	24	waveform57,58	PAL:waveform59,60
	25	2.82	
	26	2.96	
	27	1.22	
	28	2.1	
	29	2.12	RGB input or Running compulsion:2.04(V)
	30	2.16	
	31	2.1	
	32	waveform62	PAL:waveform63
	33	waveform62	PAL:waveform63
	34	waveform64	PAL:waveform65
	35	waveform66	PAL:waveform67
	36	waveform68,69	PAL:waveform70,71
	37	2.36	BRIGHT MAX:2.42(V), MIN:2.18(V)
	38	waveform72	BRIGHT MAX:waveform73, MIN:waveform74 BRIGHT PAL MID:waveform75, MAX:waveform76, MIN:waveform77
	39	0	OSD:waveform78, NAVI mode:3.4(V)
	40	2.19	OSD:waveform79, NAVI mode:waveform80
	41	2.28	OSD:waveform81, NAVI mode:waveform82
	42	2.14	OSD:waveform83, NAVI mode:waveform84
	43	4.92	
	44	1.32	
	45	2.56	Running compulsion:2.6(V), NAVI mode:2.58(V)
	46	2.28	No-image or Running compulsion:2.22(V), NAVI mode:2.24(V)
	47	NC	
	48	2.46	
IC603-1	1	waveform44,45	PAL:waveform46,47
	2	waveform85,86	PAL:waveform87,88
	3	waveform36,37	PAL:waveform38,39
	4	0	
	5	0	PAL:4.36(V)
	6	5.08	PAL:0(V)
	7	0	

Rer. No.	Pin No.	Voltage(V)	NOTE
IC603-2	8	—	
	9	—	
	10	0	PAL:1.7(V), NAVI mode:0(V)
	11	0	
	12	5.08	PAL:0(V)
	13	5.08	PAL:0(V)
	14	3.32	
IC607	1	—	
	2	7.68	
	3	-12.44	
	4	-12.44	
	5	waveform89	PAL:waveform90
	6	waveform91	PAL:waveform92
	7	waveform93	PAL:waveform94
	8	7.5	
IC608	1	waveform95	PAL:waveform96
	2	waveform97	No-image:1.64(V), PAL:waveform98
	3	1.64	
	4	0	
	5	2.34	
	6	2.34	
	7	2.48	:BRIGHT MIN 3.12(V) MAX 1.76(V)
	8	5	
IC609-1	1	3.32	
	2	waveform99,100	CINEMA:waveform101 PAL;WIDE:waveform102,103 CINEMA:waveform104
	3	waveform105,106	CINEMA:waveform107 PAL;WIDE:waveform108, CINEMA:waveform109
	4	waveform110,111	CINEMA:waveform112,113 PAL;WIDE:waveform114,115 CINEMA:waveform116,117
	5	waveform118,119	CINEMA:waveform120,121 PAL;WIDE:waveform122,123 CINEMA:waveform124,125
	6	waveform126	PAL;WIDE:waveform127,128
	7	waveform129,130	NORMAL:waveform131,132 PAL;WIDE:waveform133,134 PAL; CINEMA:waveform136,137 NORMAL:waveform138,139
	8	waveform141	ZOOM:waveform142, CINEMA:waveform143, NORMAL:waveform144
	9	NC	
	10	NC	
	11	waveform145,146	ZOOM:waveform147,148,149 NORMAL:waveform150,151,152 PAL;WIDE·CINEMA waveform153,154 PAL;ZOOM:waveform155,156,157 NORMAL:waveform158,159,160
	12	0	
	13	waveform161	
	14	0	
	15	0	
	16	waveform162	PAL:waveform163
	17	waveform164	PAL:waveform165
	18	3.32	
	19	3.32	

Rer. No.	Pin No.	Voltage(V)	NOTE
IC609-2	20	696.0(mV)	
	21	1	No-image:1.11(V), PAL 1.06(V), NAVI mode:waveform166
	22	0	
	23	0	
	24	0	
	25	672.0(mV)	ZOOM:0.608(V), CINEMA:2.14(V), NORMAL:0.704(V)
	26	656.0(mV)	ZOOM:2.3(V), CINEMA:0.728(V), NORMAL:0.728(V)
	27	NC	
	28	660.0(mV)	ZOOM:0.596(V), CINEMA:0.704(V), NORMAL:2.18(V)
	29	NC	
	30	NC	
	31	3.32	
	32	0	PAL:3.32(V)
	33	0	PAL:3.32(V)
	34	3.32	PAL:3.36(V)
	35	—	
	36	3.32	
	37	—	
	38	3.32	
	39	3.32	
	40	0	
	41	3.32	waveform167
	42	672.0(mV)	PAL:2.3(V)
	43	3.38	+3.3(V)
	44	3.32	
	45	0	
	46	672.0(mV)	PAL:2.3(V)
	47	3.32	
	48	waveform66	PAL:waveform67
	49	waveform168,169	PAL:waveform170,171
	50	waveform168,169	PAL:waveform170,171
	51	0	
	52	3.44	
	53	3.44	
	54	NC	
	55	waveform172	PAL:waveform173
	56	waveform174	PAL:waveform175
	57	NC	
	58	waveform176	PAL:waveform177
	59	—	
	60	—	
	61	0	NORMAL:waveform178 PAL;NORMAL:waveform179
	62	—	
	63	waveform62	PAL:waveform63
	64	0	CINEMA:waveform180,181 PAL;CINEMA:waveform182,183
IC610	1	0	
	2	0	
	3	0	
	4	3.32	waveform167
	5	3.32	

Rer. No.	Pin No.	Voltage(V)	NOTE
IC611	1	1.5	
	2	0	NTSC;NORMAL:waveform184, PAL;NORMAL:waveform185
	3	700.0(mV)	OSD:waveform186, NORMAL:waveform187, OSD:waveform188 NAVI mode; WIDE:waveform189, NORMAL:waveform190
	4	0	
	5	664.0(mV)	OSD:waveform191, NORMAL:waveform192, OSD:waveform193 NAVI mode; WIDE waveform194 NORMAL waveform195
	6	672.0(mV)	OSD:waveform196, NORMAL:waveform197, OSD:waveform198 NAVI mode; WIDE:waveform199, NORMAL:waveform200
	7	0	
	8	1.42	OSD:waveform201, NAVI mode:waveform202
	9	1.48	NORMAL:1.46(V)
	10	0	
	11	1.42	NORMAL:1.44(V)
	12	0	NTSC;NORMAL:waveform184, PAL;NORMAL:waveform185
	13	4.88	
	14	1.5	NORMAL:1.46(V)
	15	0	
	16	1.44	OSD:waveform203, NAVI mode:waveform204
IC612	1	0	NTSC;NORMAL:waveform184, PAL;NORMAL:waveform185
	2	0	OSD:waveform205, NAVI mode:2.68(V)
	3	0	
	4	0	OSD:waveform206, NAVI mode:3.4(V)
	5	5	
IC614	1	3.32	
	2	0	NTSC;CINEMA:waveform207, PAL;CINEMA:waveform208
	3	3.4	NTSC;CINEMA:waveform209, PAL;CINEMA:waveform210
	4	3.4	NTSC;CINEMA:waveform209, PAL;CINEMA:waveform210
	5	0	NTSC;CINEMA:waveform180,181 PAL;CINEMA:waveform182,183
	6	3.44	NTSC;CINEMA:waveform211, PAL;CINEMA:waveform212
	7	0	
	8	NC	
	9	0	
	10	0	
	11	0	NTSC;CINEMA:waveform213, PAL;CINEMA:waveform214
	12	3.44	NTSC;CINEMA:waveform211, PAL;CINEMA:waveform212
	13	3.32	
	14	3.32	
IC615-1	1	→	NTSC;CINEMA:waveform291, Others:waveform292 PAL;CINEMA:waveform293, Others:waveform294
	2	0	NTSC;CINEMA:waveform295, PAL;CINEMA:waveform296
	3	→	NTSC;CINEMA:waveform297, Others:waveform298 PAL;CINEMA:waveform299, Others:waveform315
	4	→	NTSC;CINEMA:waveform300, Others:waveform301 PAL;CINEMA:waveform302, Others:waveform303
	5	0	NTSC;CINEMA:waveform295, PAL;CINEMA:waveform296
	6	→	NTSC;CINEMA:waveform304, Others:waveform305 PAL;CINEMA:waveform306, Others:waveform316
	7	0	

Rer. No.	Pin No.	Voltage(V)	NOTE
IC615-2	8	→	NTSC;CINEMA:waveform307, Others:waveform308 PAL;CINEMA:waveform309, Others:waveform310
	9	→	NTSC;CINEMA:waveform311, Others:waveform312 PAL;CINEMA:waveform313, Others:waveform314
	10	0	NTSC;CINEMA:waveform295, PAL;CINEMA:waveform296
	11		
	12	0	
	13	0	
	14	3.3	

Rer. No.	Pin No.	Voltage(V)	NOTE
Q400	B	4.8	KEY On:waveform215, Remote control operation:waveform216
	E	4.2	Key ON:waveform217, Remote control operation:waveform218
	C	5.08(V)	
Q401	B	680.0(mV)	Key ON:waveform219, Remote control operation:waveform220
	E	0	
	C	0	Remote control receiving:0(V), KEY On:waveform3-1
Q402	B	waveform6,7	Vol Down Key On
	E	0	
	C	4.84	Key ON:waveform221
Q403	B	3.4	
	E	4.08	
	C	1.96	
Q500	1	waveform222,223	
	2	waveform224,225	
	3	waveform222,223	
	4	0	
	5	664.0(mV)	
	6	0	
Q502	B	waveform222,223	
	C	waveform226,227	
	E	0	
Q503	B	-12.32	
	E	-13.04	
	C	-12.44	
Q600	B	656.0(mV)	ZOOM:2.3(V), CINEMA:0.728(V), NORMAL:0.728(V)
	E	0	
	C	440.0(mV)	ZOOM:0(V), CINEMA:1.92(V), NORMAL:1.92(V)
Q601	B	waveform228,229	PAL:waveform230,231
	E	waveform232,233	PAL:waveform234,235
	C	0	
Q602	B	0	PAL:4.36(V)
	E	0	
	C	5.08	PAL:0(V)

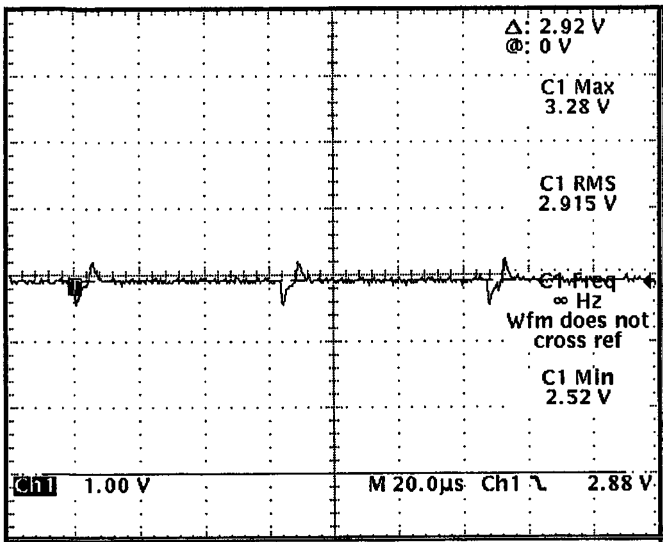
Rer. No.	Pin No.	Voltage(V)	NOTE
Q603	1	7.5	
	2	waveform93	PAL:waveform94
	3	waveform236	No-image waveform237, Running compulsion:waveform238 NAVI mode:waveform239, PAL:waveform240
	4	-12.44	
	5	waveform93	PAL:waveform94
	6	waveform241	No-image:waveform242, Running compulsion:waveform243 NAVI mode:waveform244, PAL waveform245
Q604	B	waveform236	No-image:waveform237, Running compulsion:waveform238 NAVI mode:waveform239, PAL waveform240
	E	waveform246	No-image:waveform247, Running compulsion:waveform248 NAVI mode:waveform249, PAL:waveform250
	C	waveform251, 252	
Q605	B	waveform241	No-image:waveform242, Running compulsion:waveform243 NAVI mode:waveform244, PAL:waveform245
	E	waveform246	No-image:waveform247, Running compulsion:waveform248 NAVI mode:waveform249, PAL:waveform250
	C	waveform253, 254	
Q606	B	0	NTSC;CINEMA:waveform213, PAL;CINEMA:waveform214
	E	0	
	C	waveform255	CINEMA:waveform256 PAL;WIDE:waveform257, CINEMA:waveform258
Q607	B	0	NTSC;CINEMA:waveform213, PAL;CINEMA:waveform214
	E	0	
	C	waveform259	CINEMA:waveform260 PAL;WIDE:waveform261, CINEMA:waveform262
Q608	B	0	NTSC;CINEMA:waveform213, PAL;CINEMA:waveform214
	E	0	
	C	waveform263	CINEMA:waveform264 PAL;WIDE:waveform265, CINEMA:waveform266
Q609	B	0	OSD:waveform205, NAVI mode:2.68(V)
	E	0	
	C	2.04	OSD:waveform267, NAVI mode:0(V) PAL:2.02(V), OSD:waveform268
Q700	B	0	PAL:4.36(V)
	E	0	
	C	3.34	PAL:0(V)
Q701	B	3.34	PAL:0(V)
	E	3.32	
	C	0	PAL:3.32(V)
Q900	1	waveform269, 270	DIMMER(LOW mode) "MIN":waveform271 DIMMER(AUTO mode) "HIGH(29)":waveform272
	2	waveform273, 274	DIMMER(LOW mode) "MIN":waveform275 DIMMER(AUTO mode) "HIGH(29)":waveform276
	3	waveform277	DIMMER(LOW mode) "MIN":waveform278, 279 DIMMER(AUTO mode) "HIGH(29)":waveform280, 281
	4	6.6(mV)	
	5	waveform277	DIMMER(LOW mode) "MIN":waveform278, 279 DIMMER(AUTO mode) "HIGH(29)":waveform280, 281

Rer. No.	Pin No.	Voltage(V)	NOTE
Q901	B	waveform269, 270	DIMMER(LOW mode) "MIN":waveform271
			DIMMER(AUTO mode) "HIGH(29)":waveform272
	C	waveform282, 283	DIMMER(LOW mode) "MIN":waveform284
			DIMMER(AUTO mode) "HIGH(29)":waveform285
	E	6.6(mV)	
Q902	B	waveform273, 274	DIMMER(LOW mode) "MIN":waveform275
			DIMMER(AUTO mode) "HIGH(29)":waveform276
	C	waveform286, 287	DIMMER(LOW mode) "MIN":waveform288
			DIMMER(AUTO mode) "HIGH(29)":waveform289
	E	6.6(mV)	

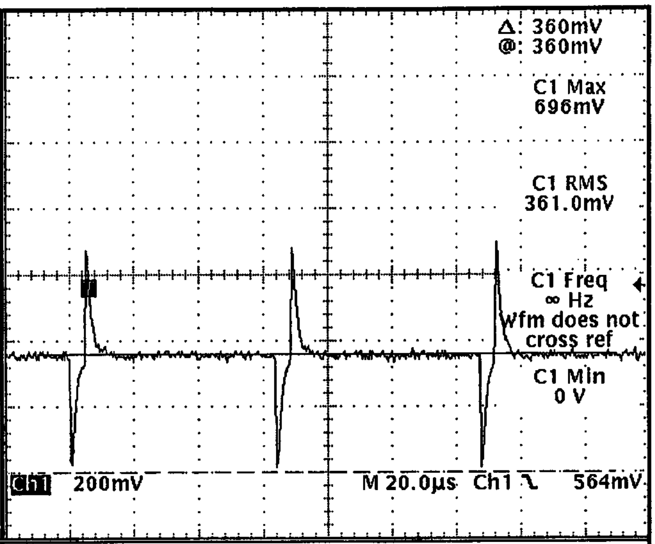
[Measuring Conditions]

- Power Supply Voltage : DC16V
- Measuring Meter : Digital Multi Meter
- Measuring Point Reference : Between GND
- Measuring Conditions : Moniter Unit Connection
- AUX INPUT 1 : VIDEO : NTSC Gray Scale
  : AUDIO : R/L ch : 1KHz 0.5Vrms
- AUX INPUT 2 : VIDEO : PAL Color Bar
- AUX OUTPUT : No-Connection, MODE…LINK
- NAVIGATION INPUT : RGB Navigation System
- BRIGHT : MID
- COLOR : MID
- TINT : MID
- DIMMER : HIGH
- Display output : AUX1 WIDE mode
- Audio output : SP output, Vol Max
- OSD condition : Mode change
- NAVI diaplay condition : Opening display
- Key operation : AUX/MODE key
- Remote control operation : MODE key

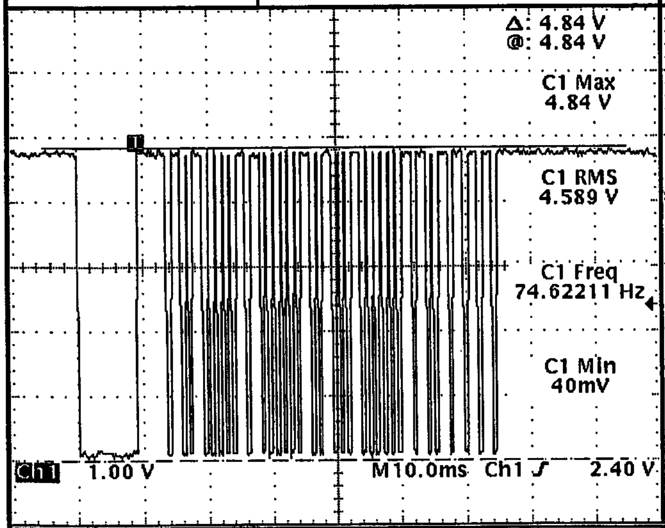
※ As for others condition, it is mentioned every time in MODE.



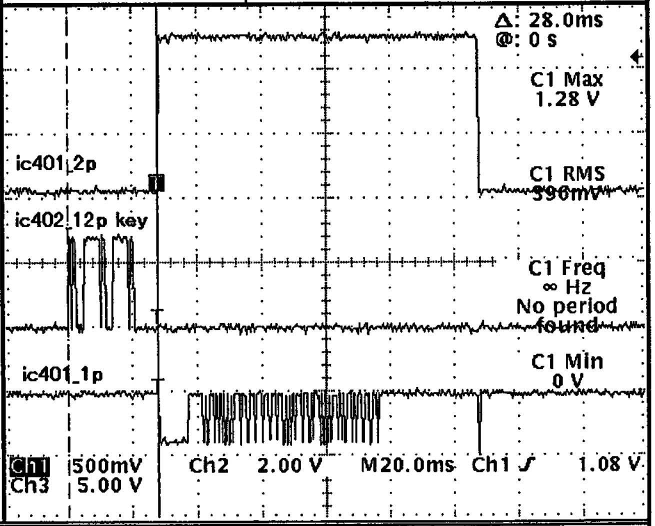
IC400	·	1 Pin
No.1	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



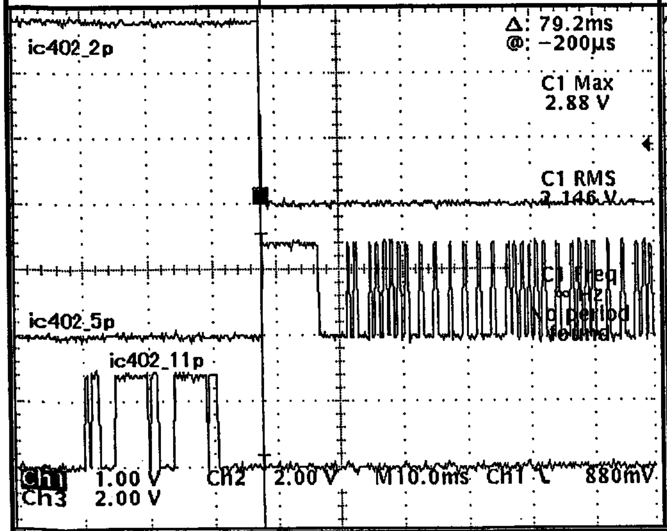
IC400	·	1 Pin
No.2	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



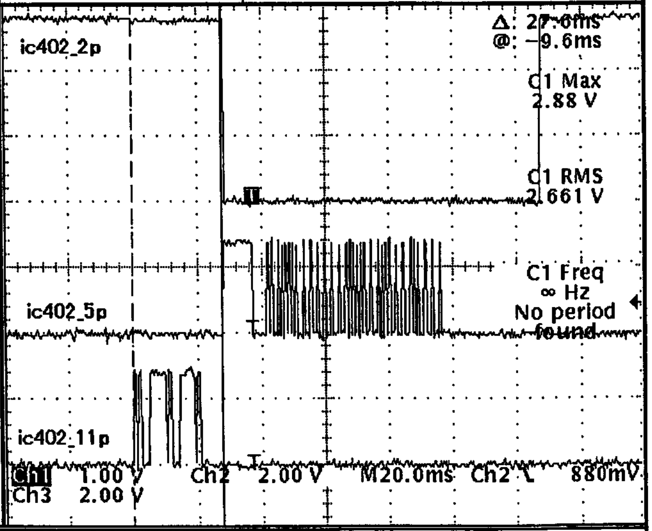
IC401	·	1 Pin
No.3	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



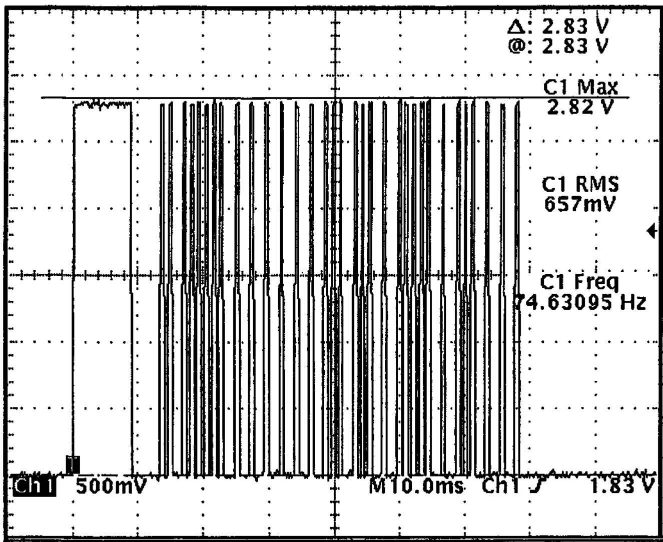
IC401	·	2 Pin
No.3-1	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



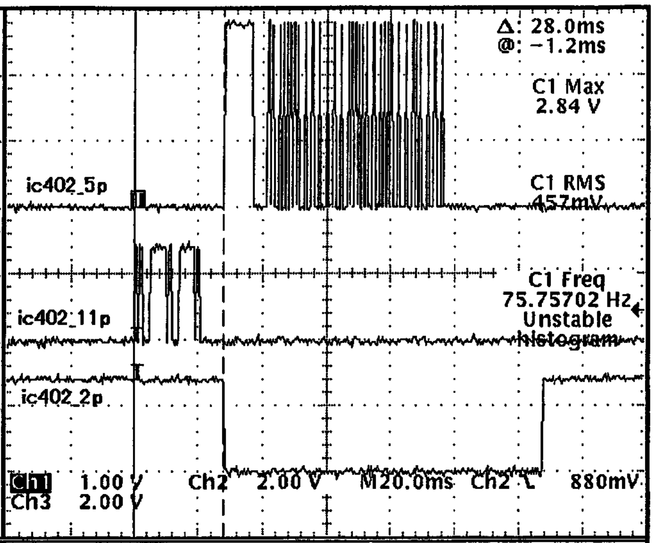
IC402	·	2 Pin
No.4	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



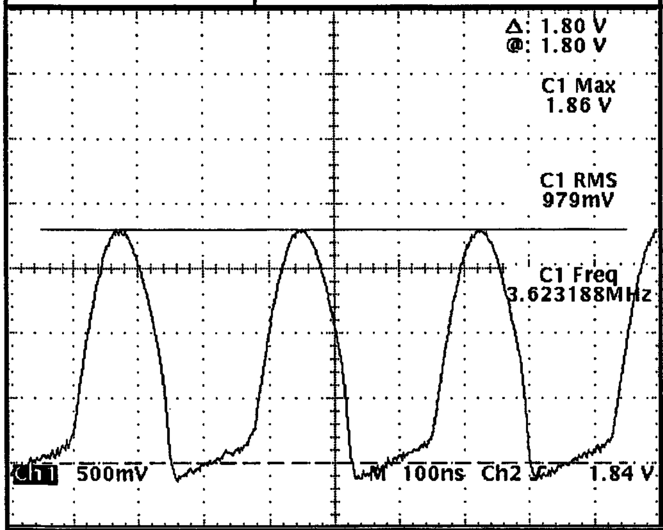
IC402	·	2 Pin
No.5	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



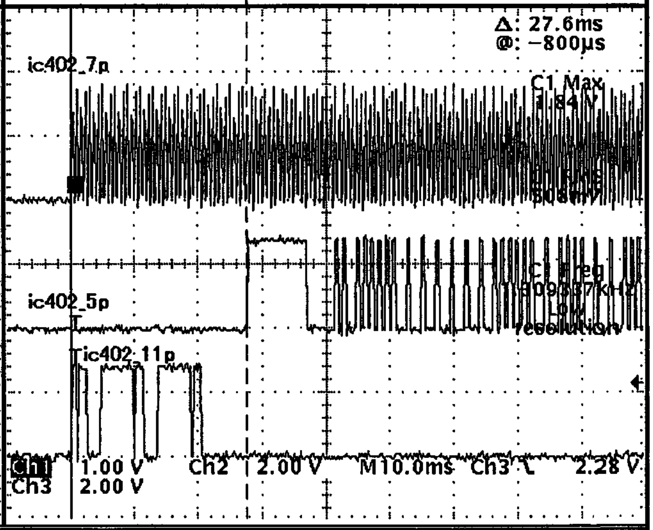
IC402 - 5 Pin		
No.6	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



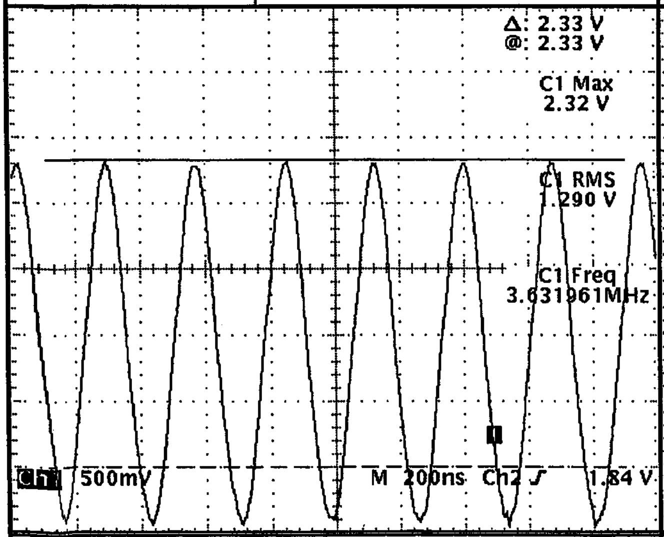
IC402 - 5 Pin		
No.7	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



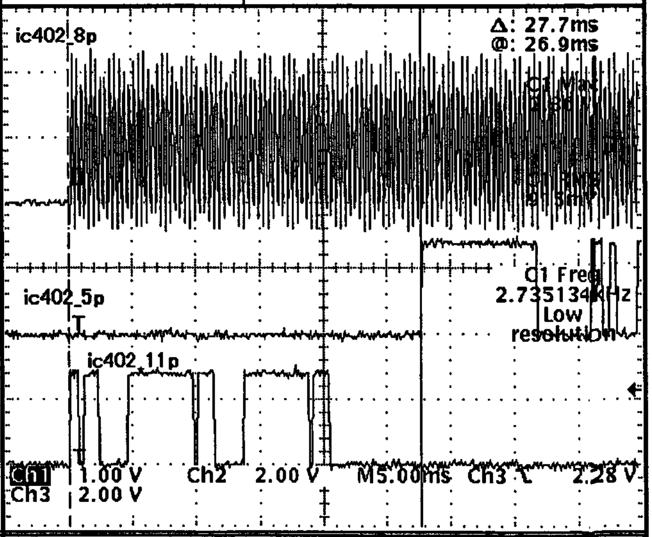
IC402 - 7 Pin		
No.8	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



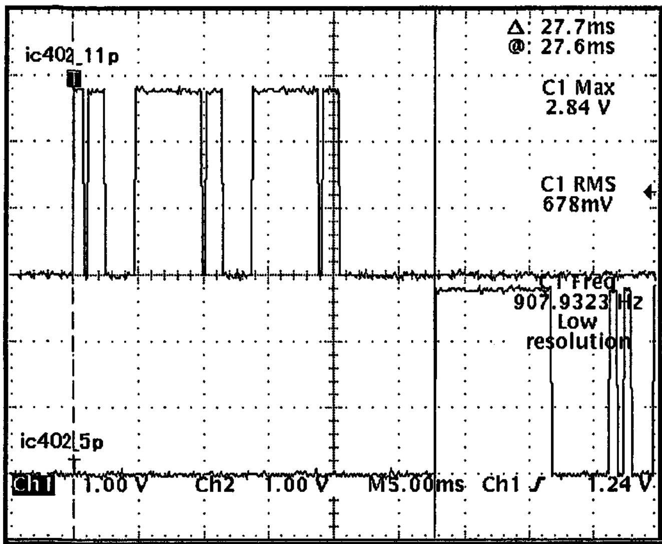
IC402 - 7 Pin		
No.9	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



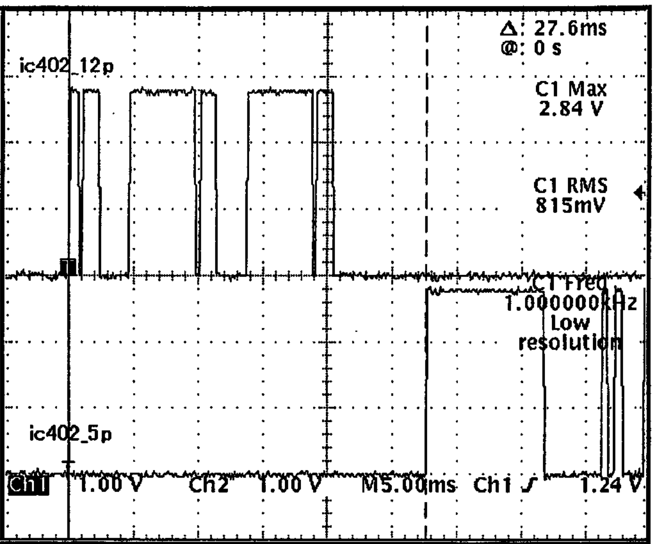
IC402 - 8 Pin		
No.10	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



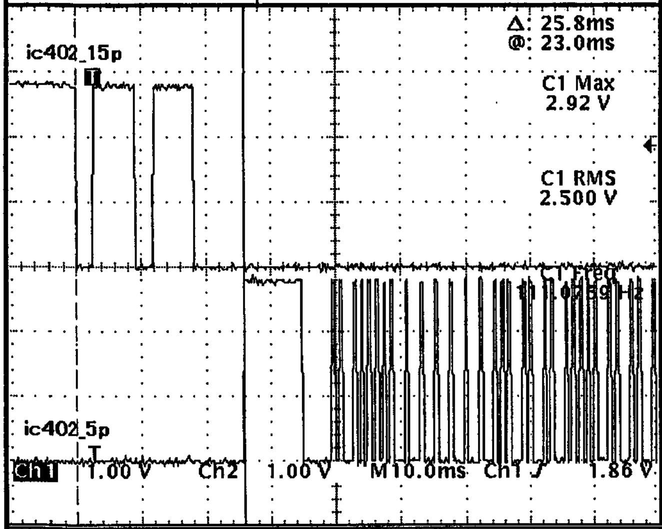
IC402 - 8 Pin		
No.11	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



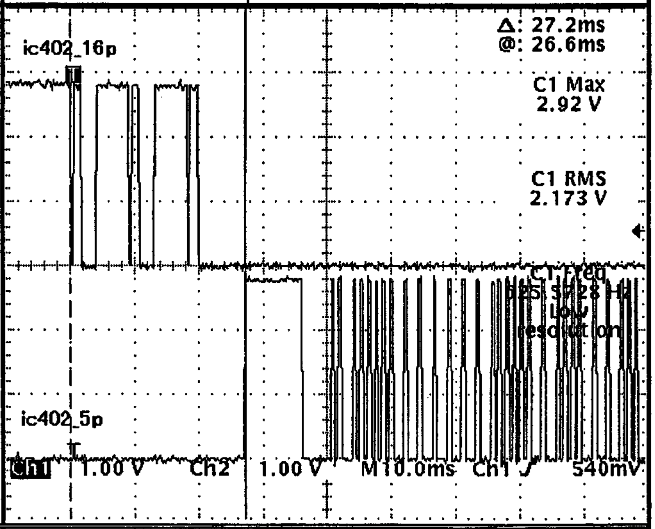
IC402	·	11 Pin
No.12	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



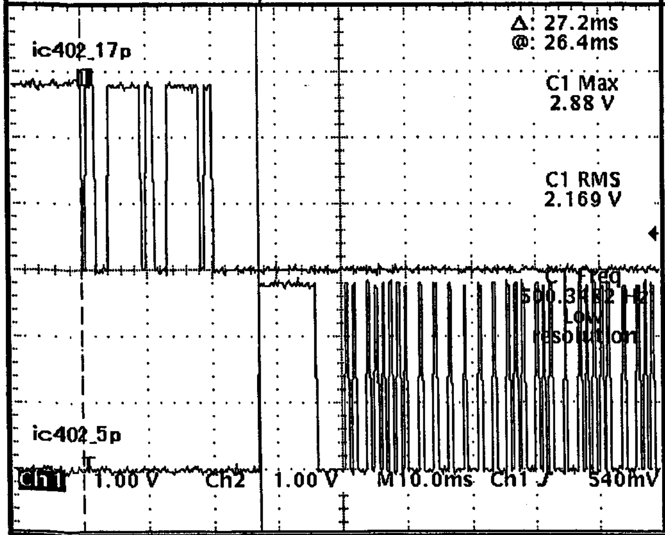
IC402	·	12 Pin
No.13	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



IC402	·	15 Pin
No.14	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div

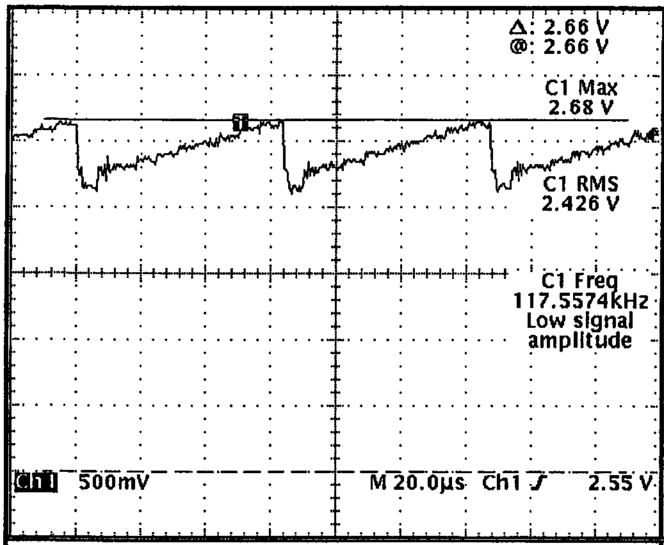


IC402	·	16 Pin
No.15	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div

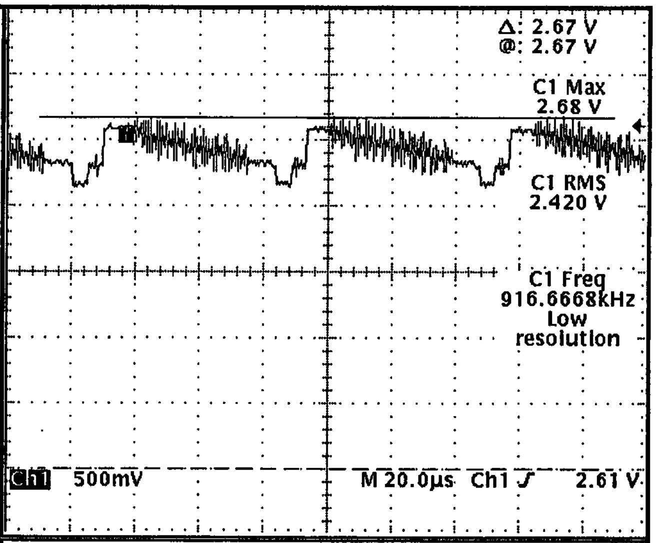


IC402	·	17 Pin
No.16	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div

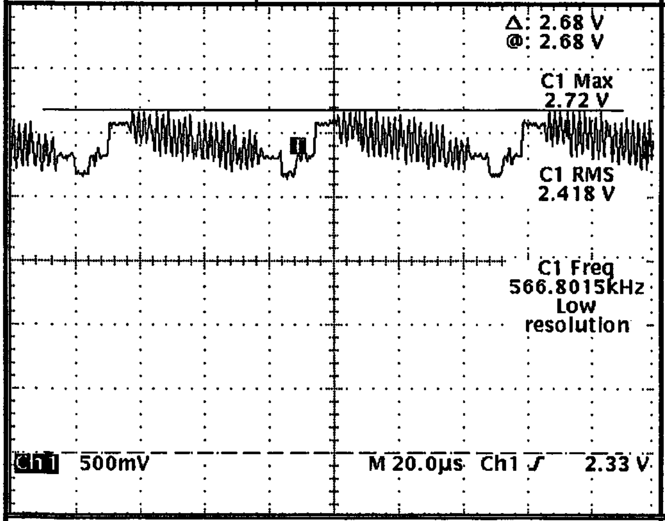
IC	·	Pin
No.	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



IC602 ·	3 Pin	
No.17	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div

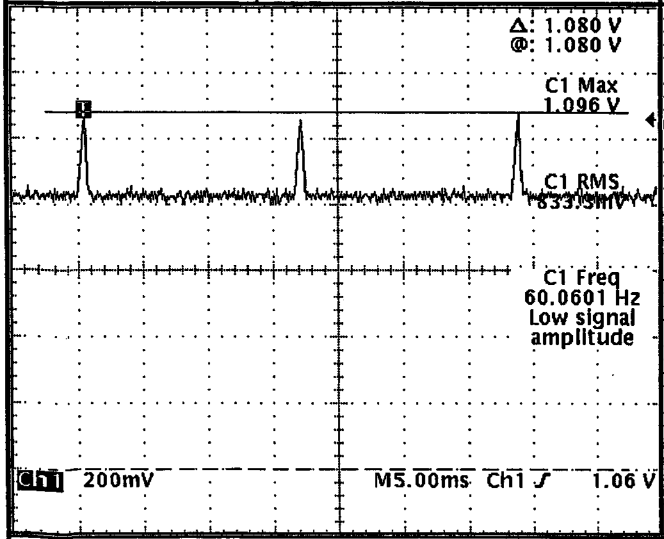


IC602 ·	3 Pin	
No.18	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div

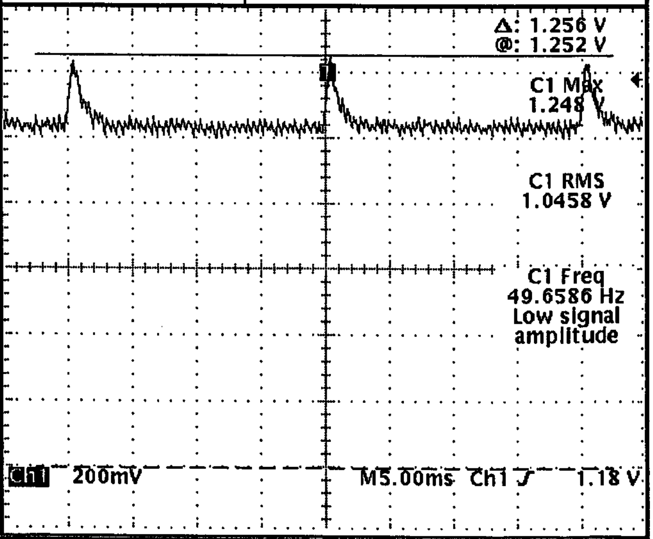


IC602 ·	3 Pin	
No.19	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div

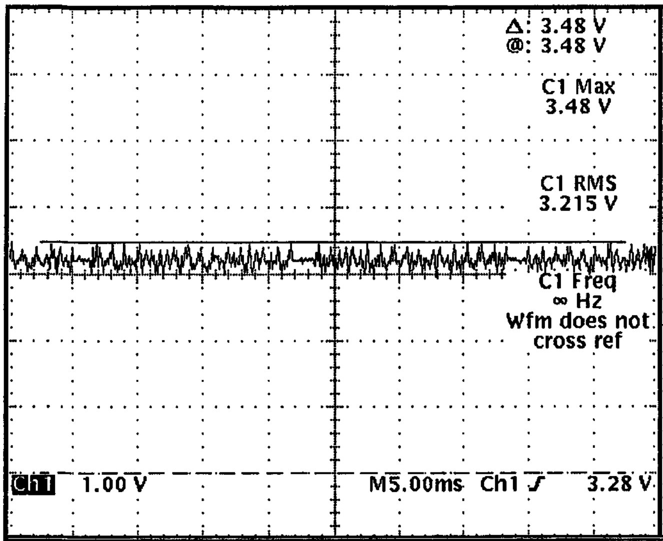
IC ·	Pin	
No.	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



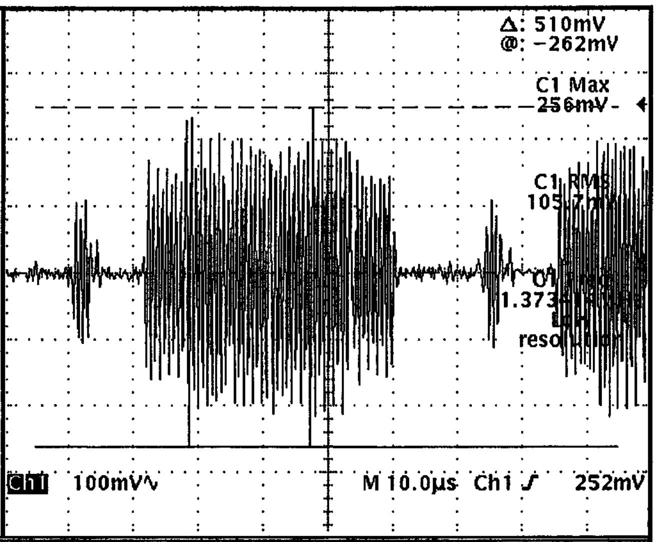
IC602 ·	4 Pin	
No.20	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



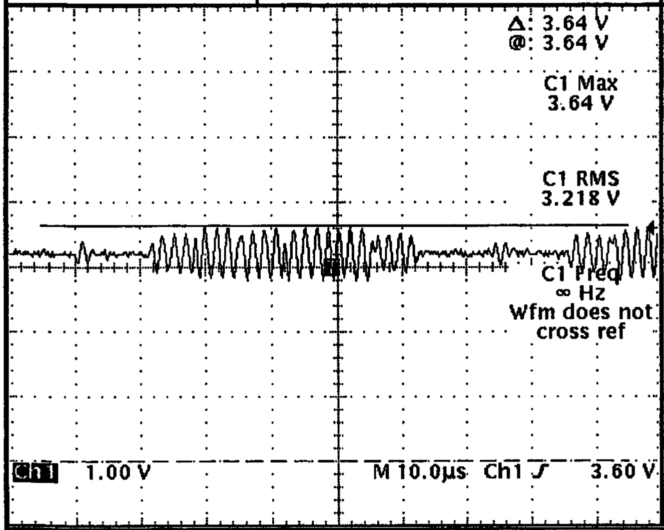
IC602 ·	4 Pin	
No.21	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



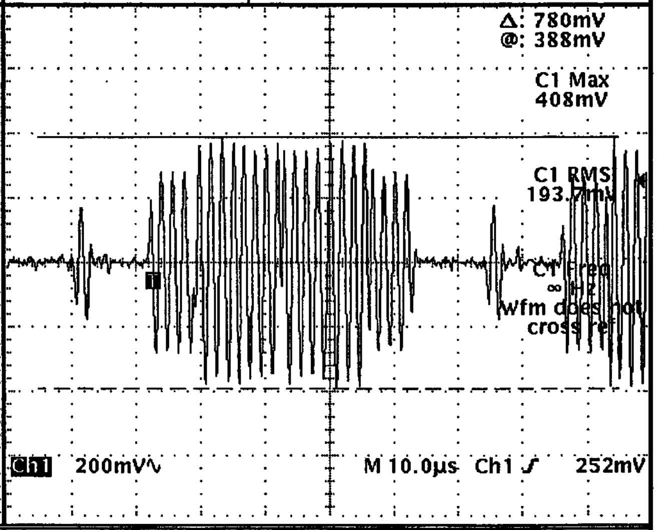
IC602	·	7 Pin
No.22	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



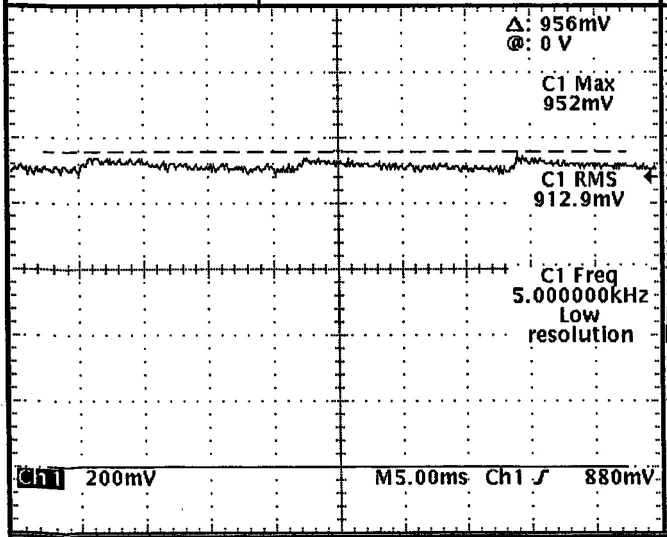
IC602	·	7 Pin
No.23	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



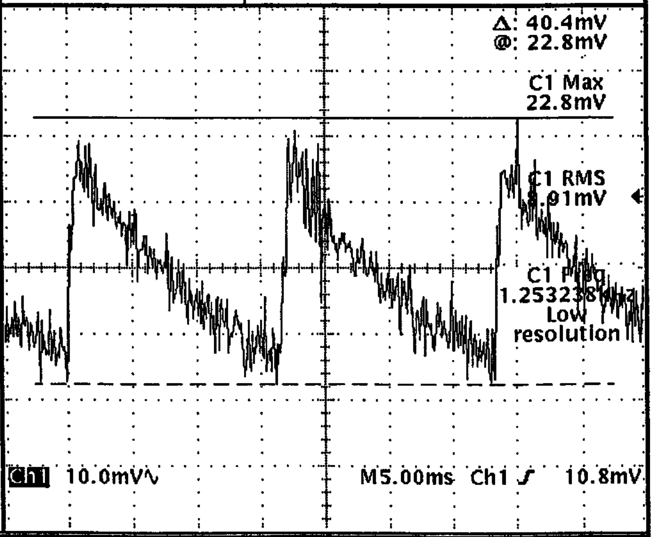
IC602	·	7 Pin
No.24	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



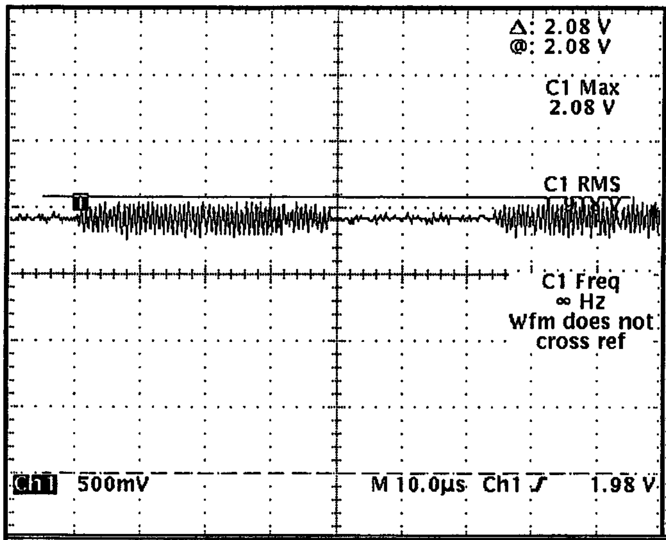
IC602	·	7 Pin
No.25	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



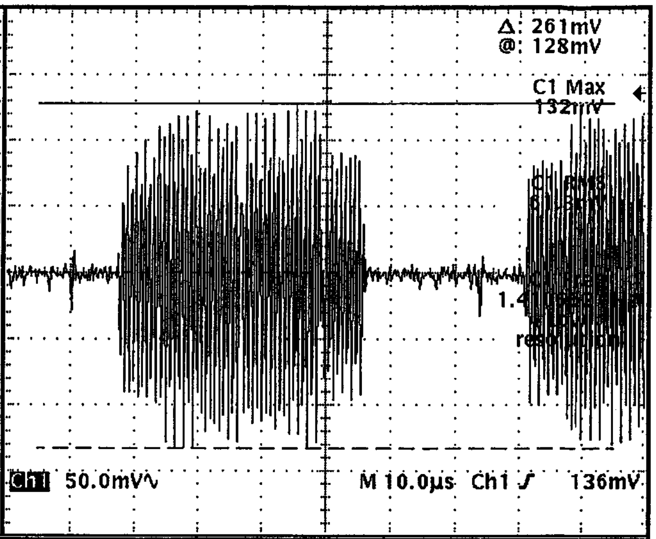
IC602	·	8 Pin
No.26	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



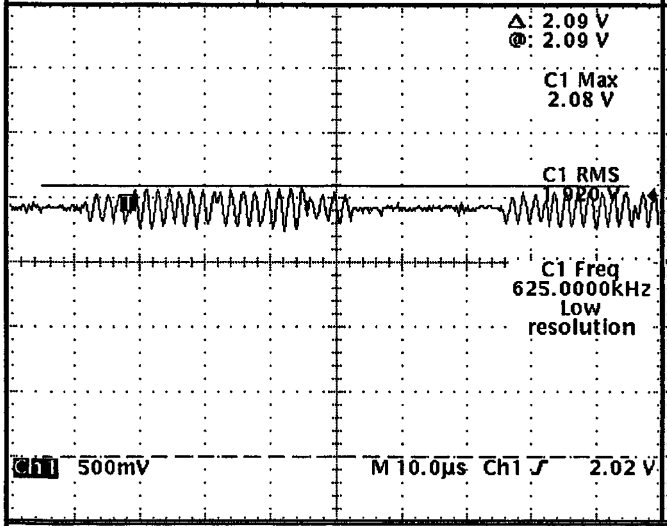
IC602	·	8 Pin
No.27	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



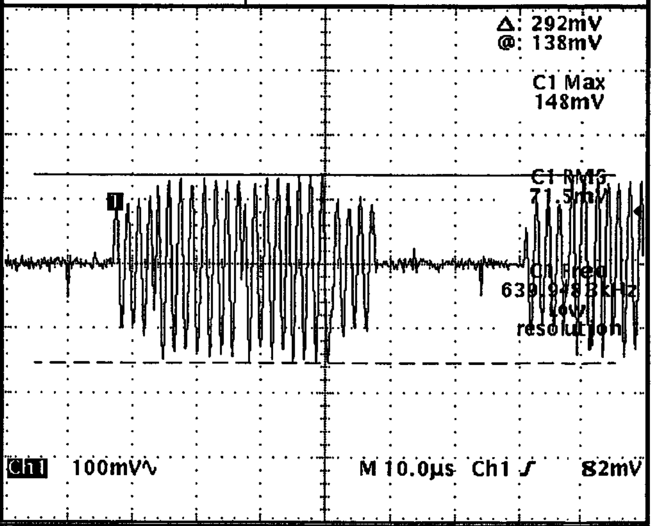
IC602 ·	9 Pin	
No.28	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



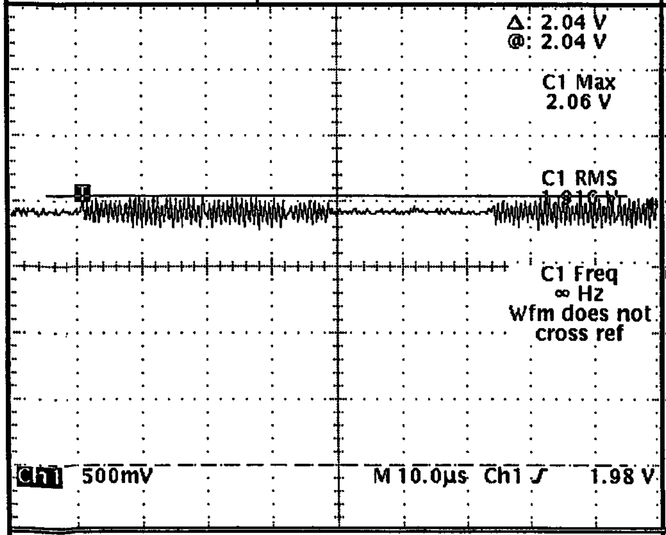
IC602 ·	9 Pin	
No.29	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



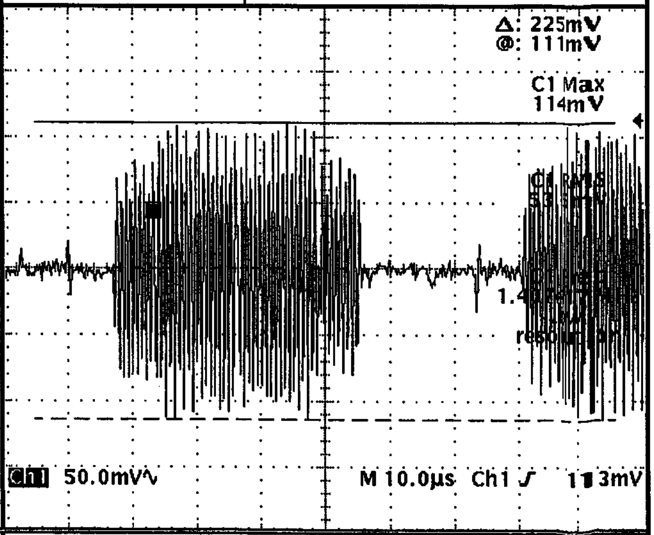
IC602 ·	9 Pin	
No.30	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



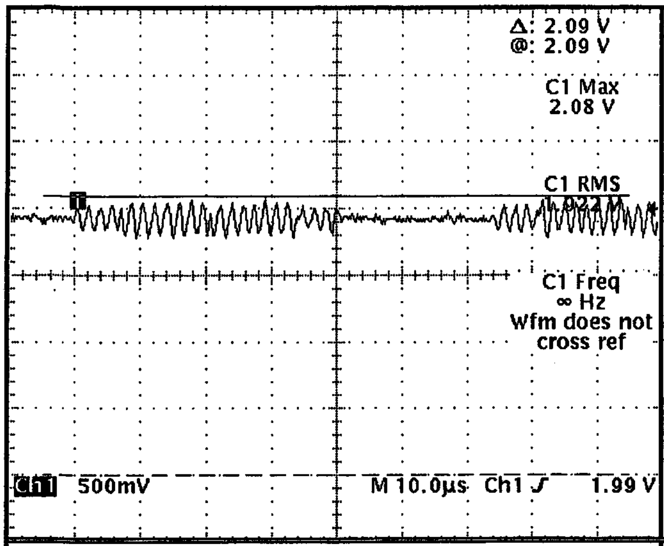
IC602 ·	9 Pin	
No.31	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



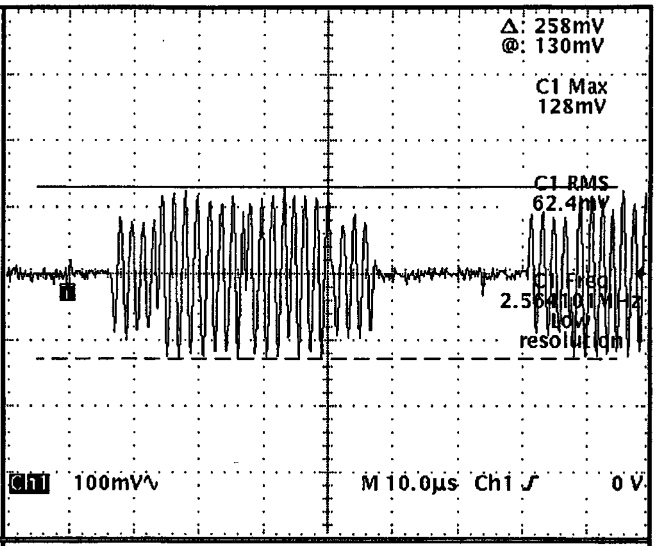
IC602 ·	10 Pin	
No.32	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



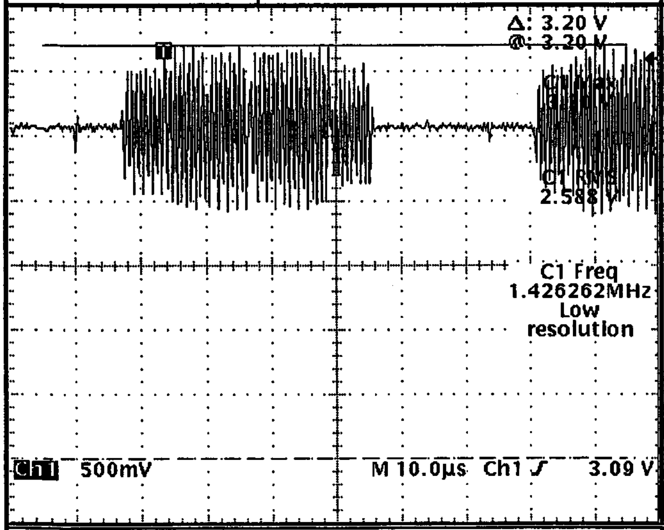
IC602 ·	10 Pin	
No.33	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



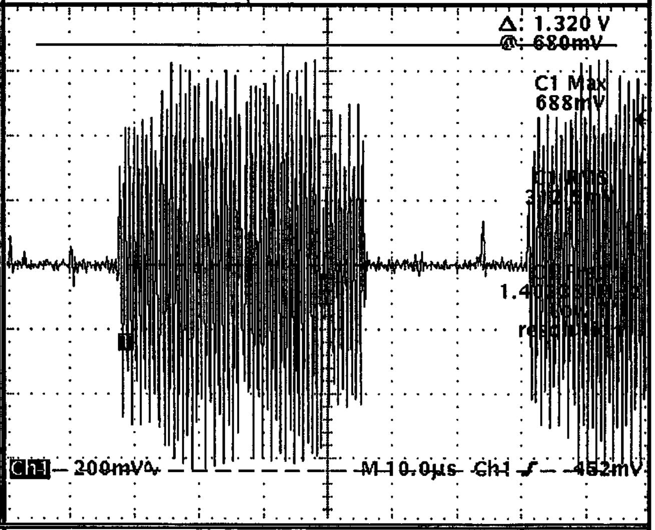
IC602 ·	10 Pin	
No.34	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



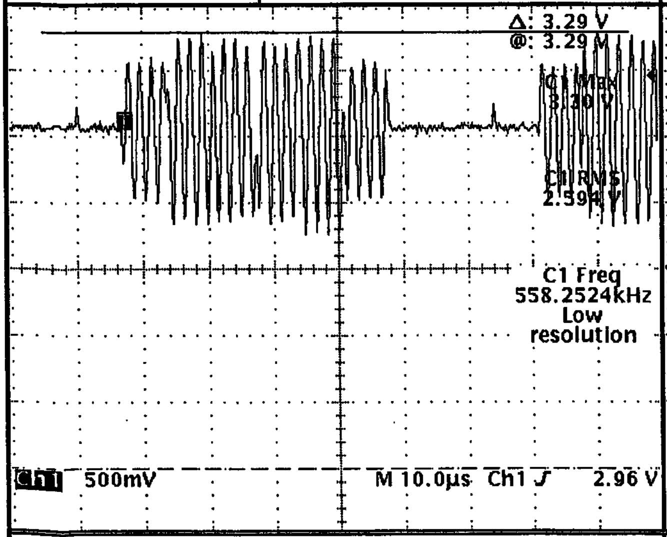
IC602 ·	10 Pin	
No.35	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



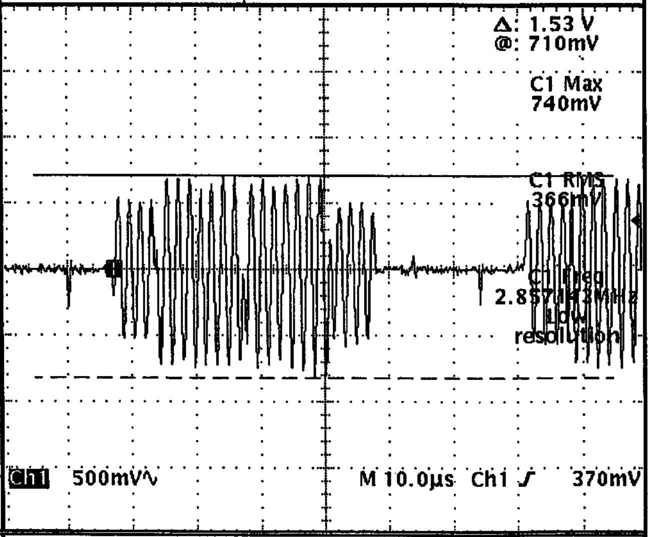
IC602 ·	12 Pin	
No.36	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



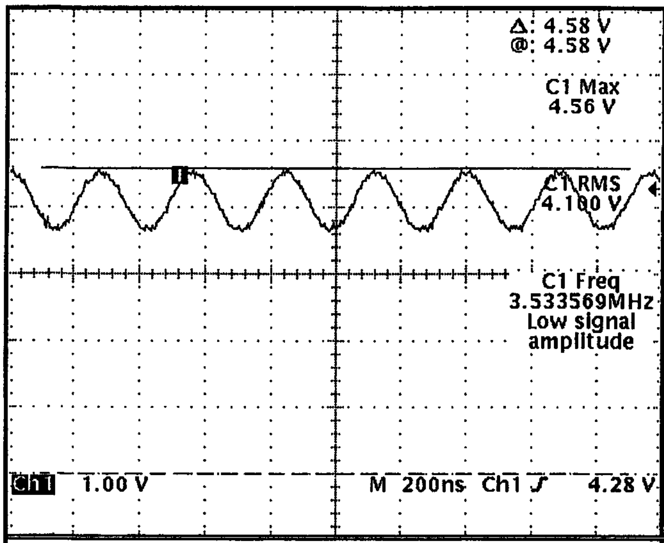
IC602 ·	12 Pin	
No.37	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



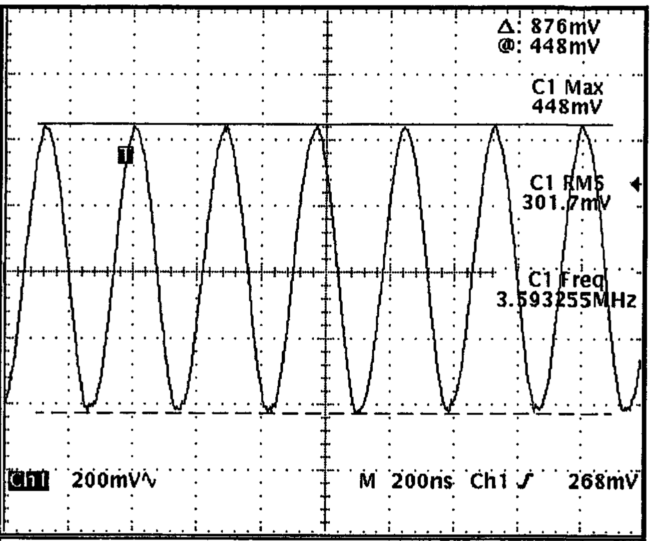
IC602 ·	12 Pin	
No.38	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



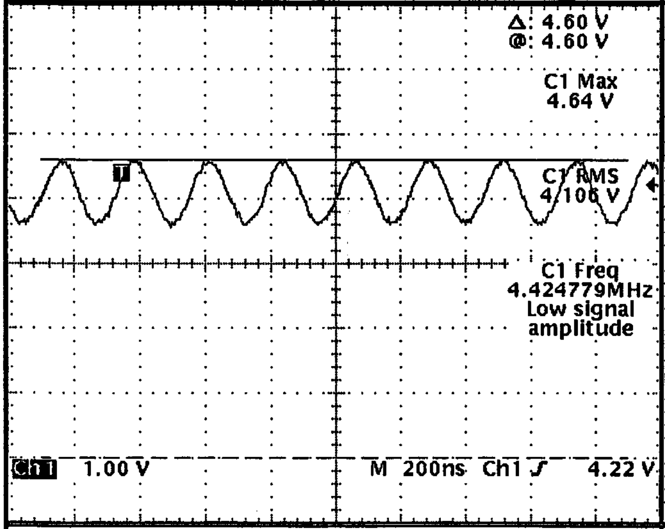
IC602 ·	12 Pin	
No.39	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



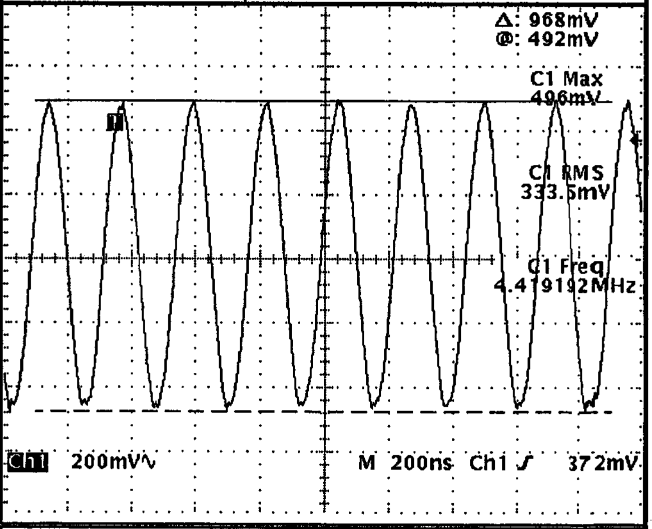
IC602	·	14 Pin
No.40	Volt/Div=	V/Div
DC・AC	Time/Div=	S/Div



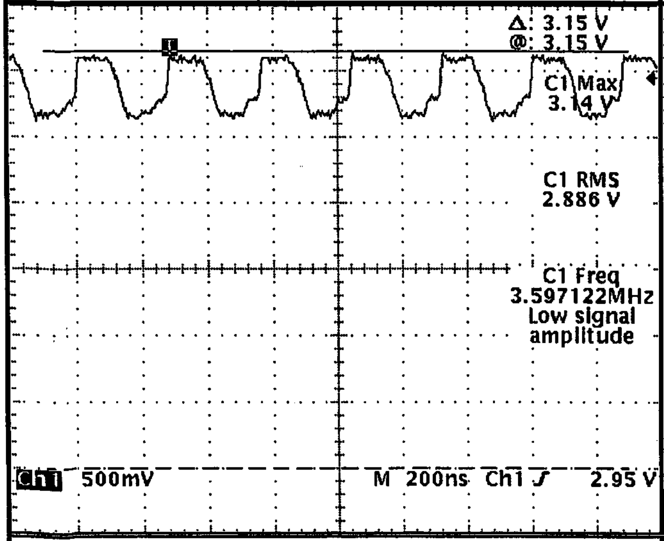
IC602	·	14 Pin
No.41	Volt/Div=	V/Div
DC・AC	Time/Div=	S/Div



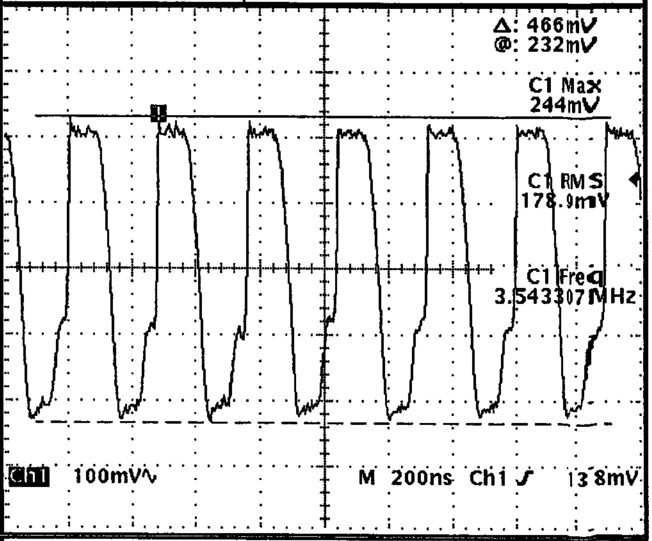
IC602	·	14 Pin
No.42	Volt/Div=	V/Div
DC・AC	Time/Div=	S/Div



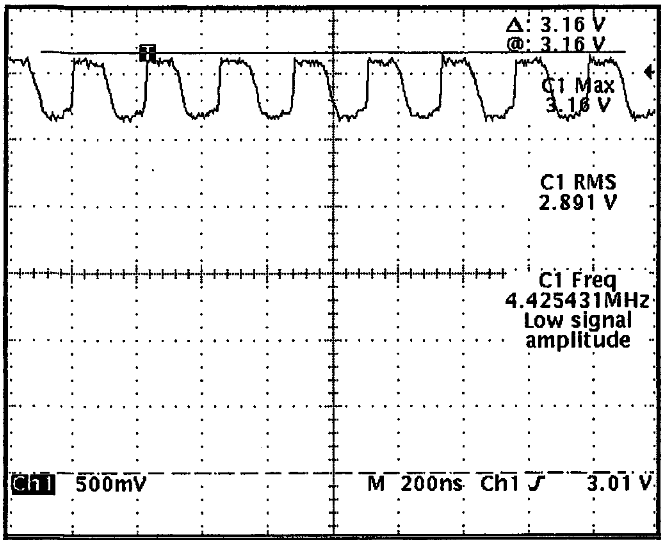
IC602	·	14 Pin
No.43	Volt/Div=	V/Div
DC・AC	Time/Div=	S/Div



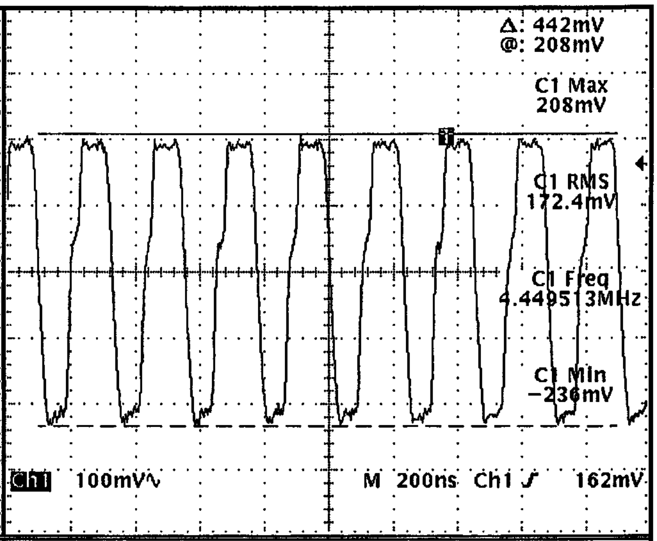
IC602	·	16 Pin
No.44	Volt/Div=	V/Div
DC・AC	Time/Div=	S/Div



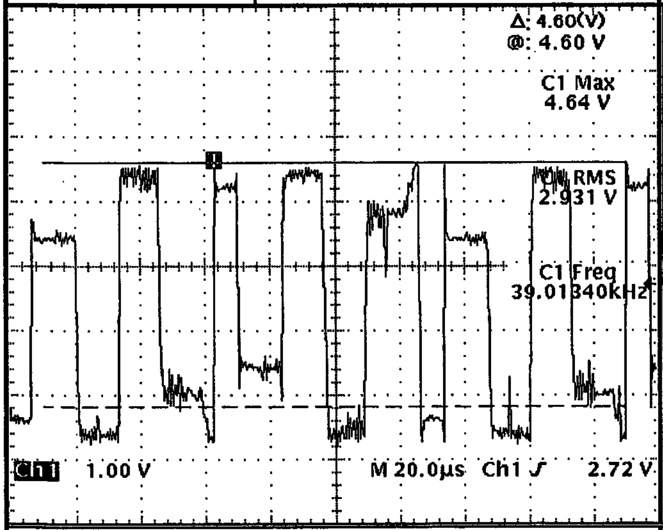
IC602	·	16 Pin
No.45	Volt/Div=	V/Div
DC・AC	Time/Div=	S/Div



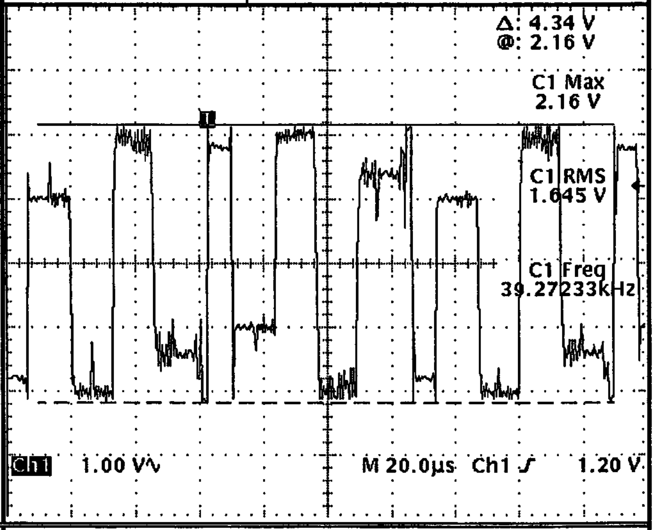
IC602 · 16 Pin		
No.46	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



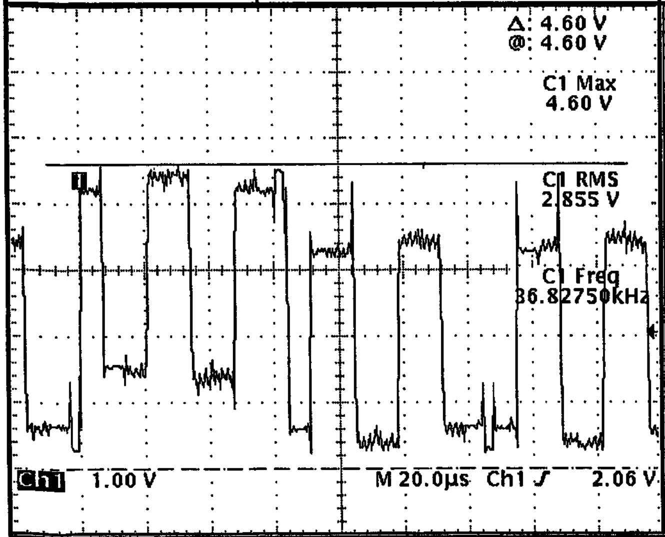
IC602 · 16 Pin		
No.47	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



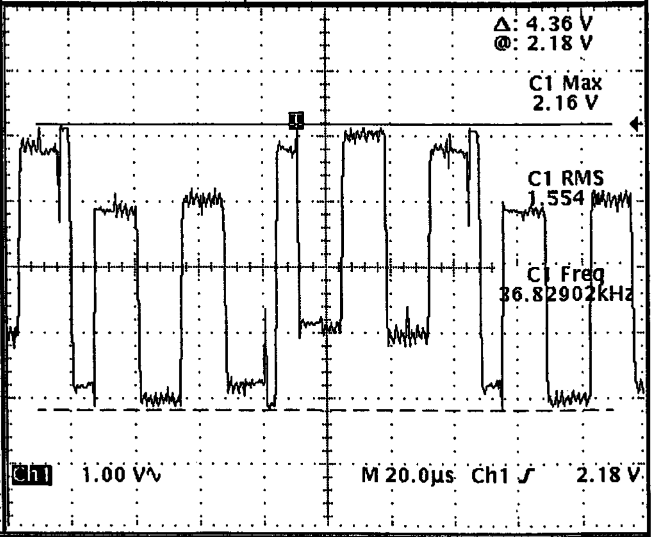
IC602 · 19 Pin		
No.48	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



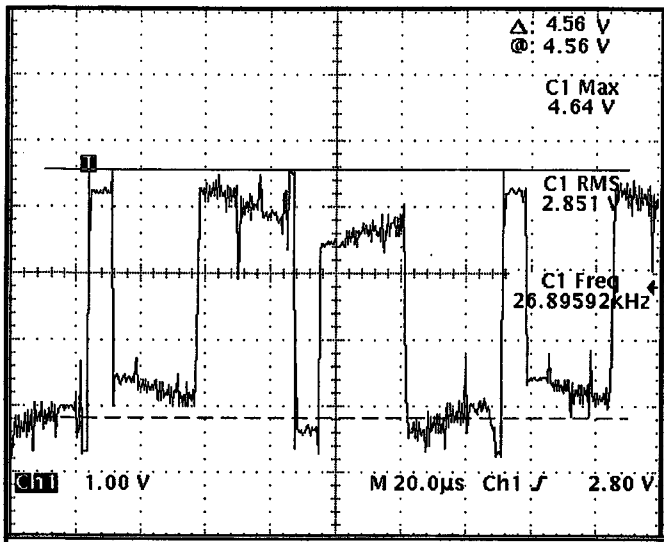
IC602 · 19 Pin		
No.49	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



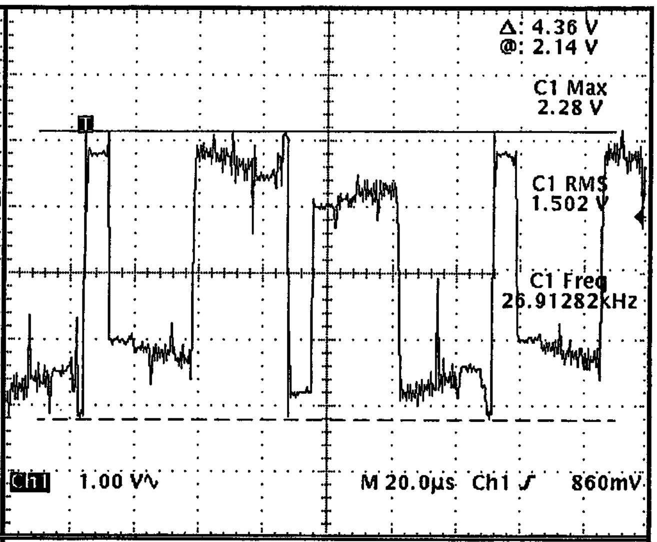
IC602 · 19 Pin		
No.50	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



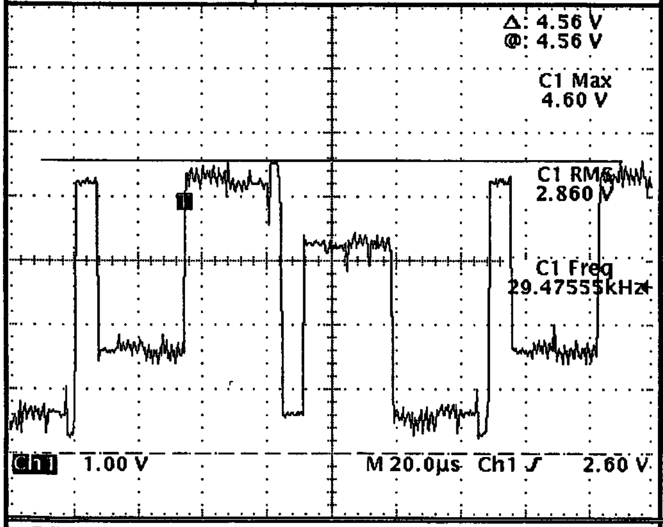
IC602 · 19 Pin		
No.51	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



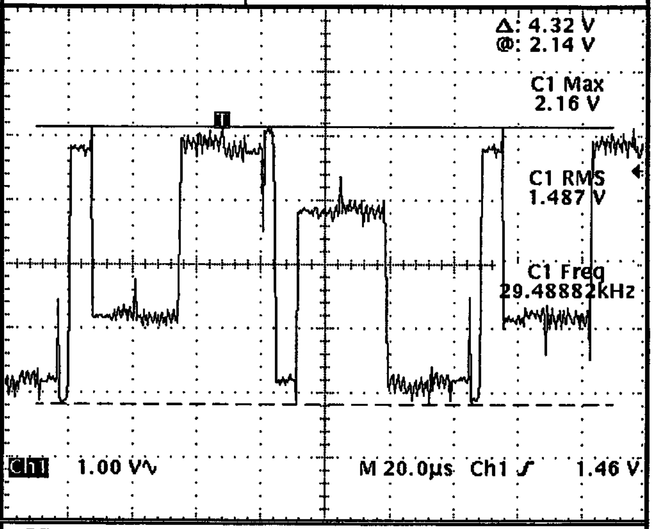
IC602 ·	21 Pin	
No.52	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



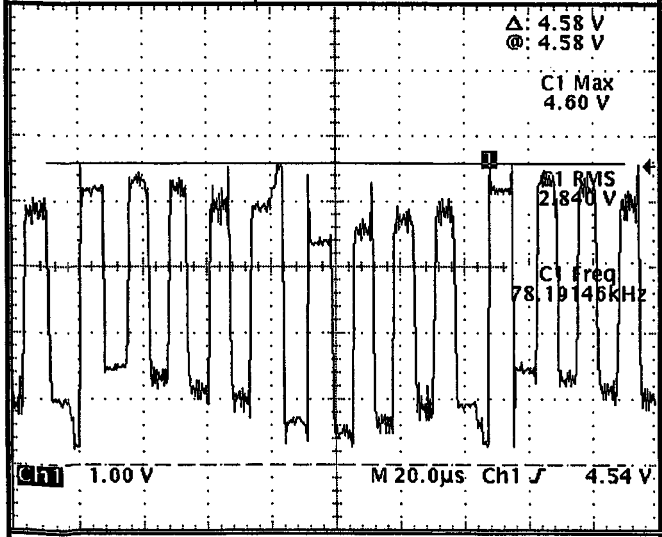
IC602 ·	21 Pin	
No.53	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



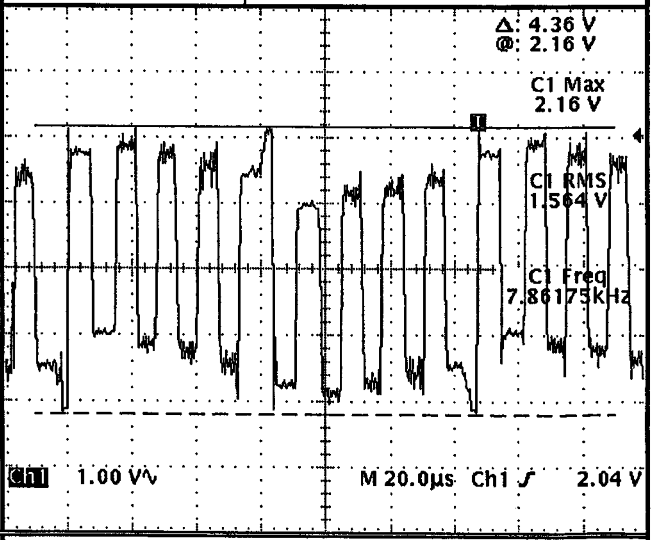
IC602 ·	21 Pin	
No.55	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



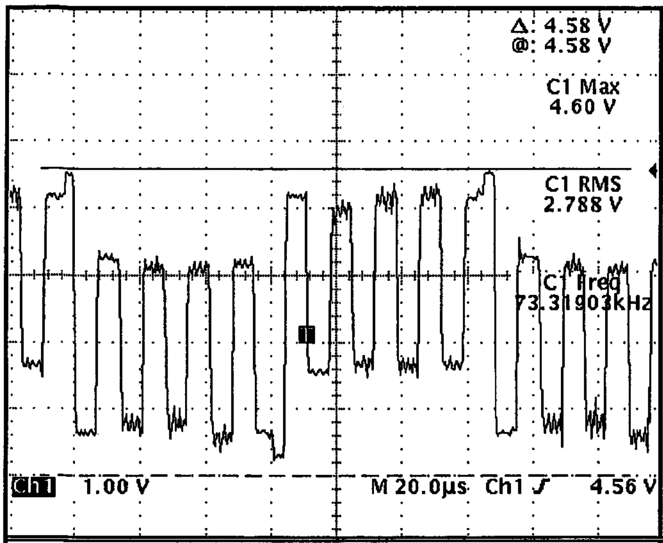
IC602 ·	21 Pin	
No.56	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



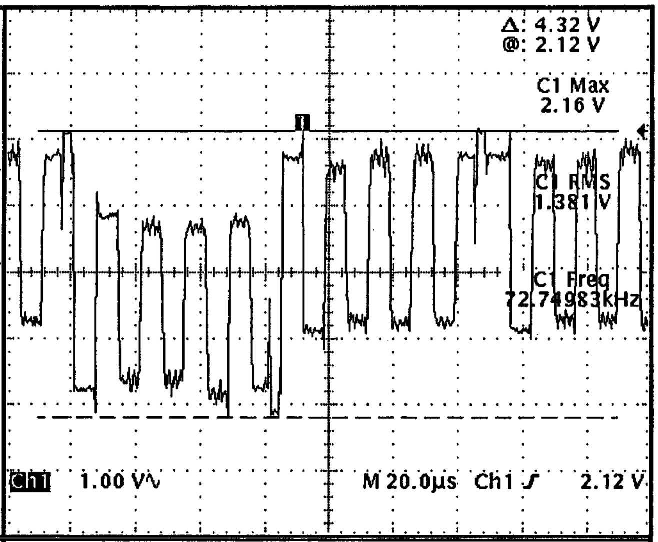
IC602 ·	24 Pin	
No.57	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



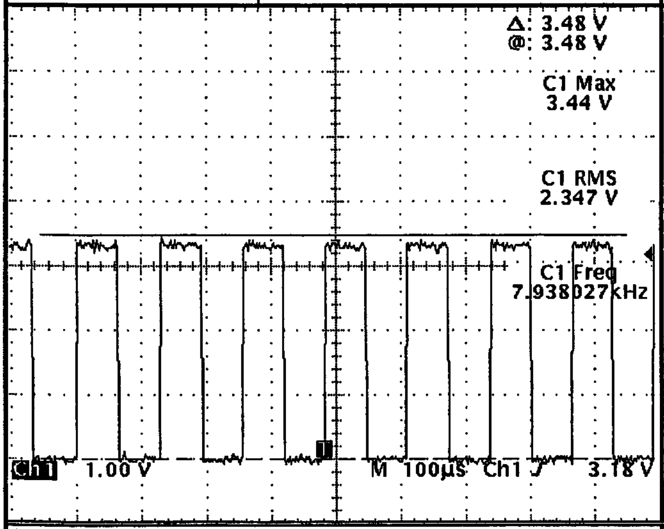
IC602 ·	24 Pin	
No.58	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



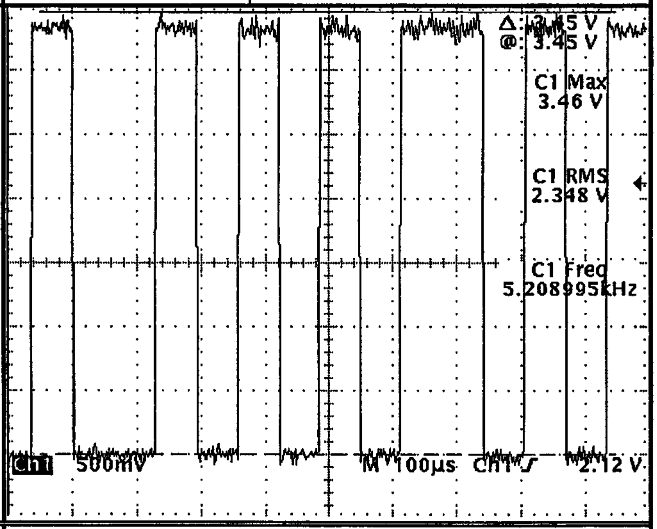
IC602 ·	24 Pin	
No.59	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



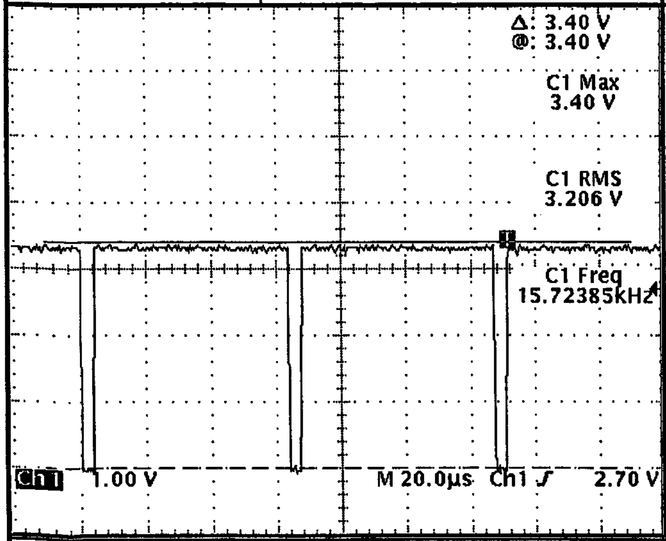
IC602 ·	24 Pin	
No.60	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



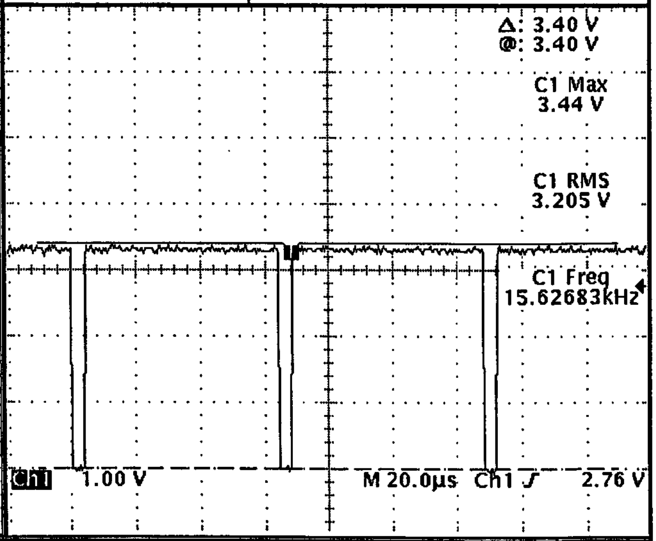
IC602 ·	32 Pin	
No.62	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



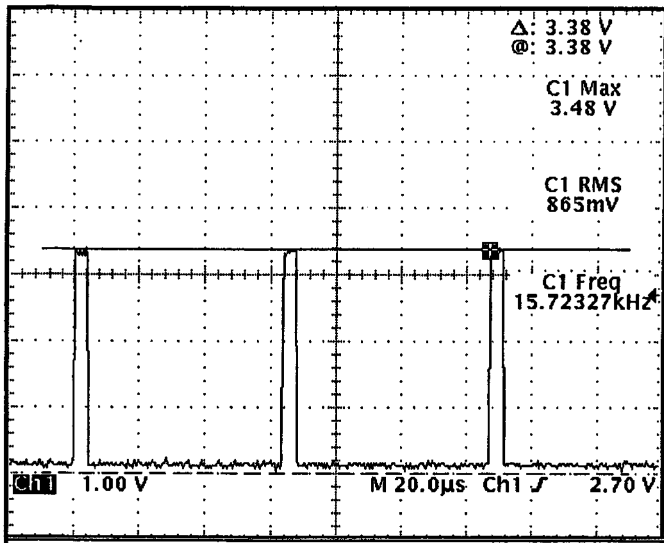
IC602 ·	32 Pin	
No.63	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



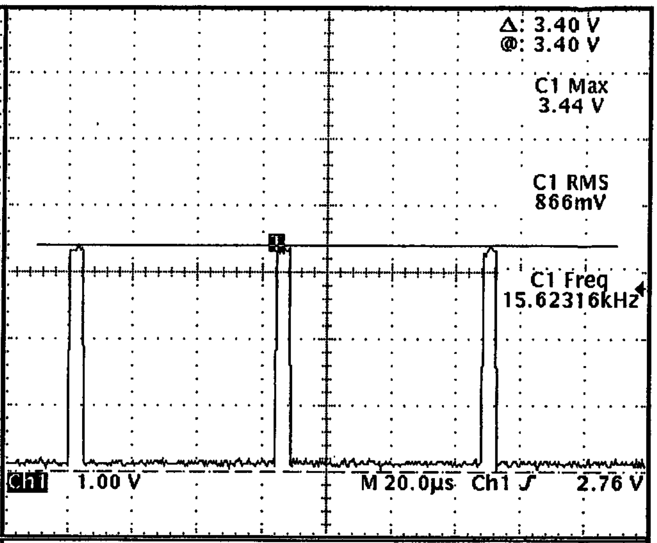
IC602 ·	34 Pin	
No.64	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



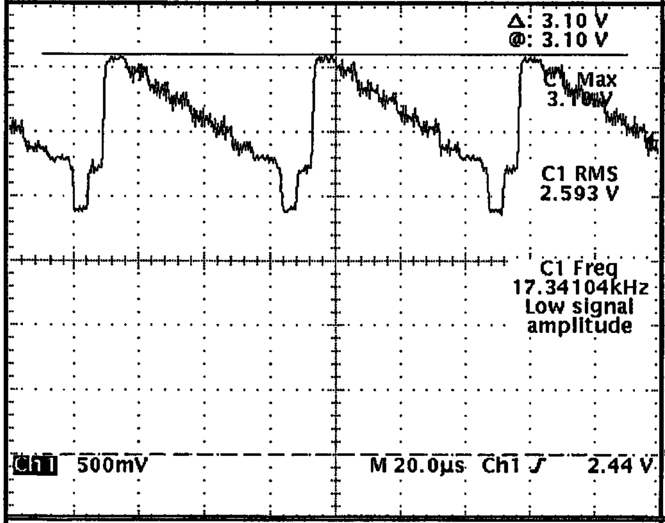
IC602 ·	34 Pin	
No.65	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



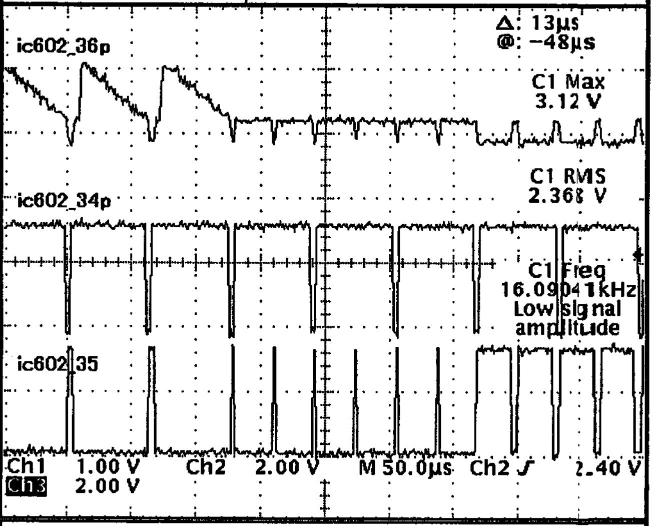
IC602	·	35 Pin
No.66	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



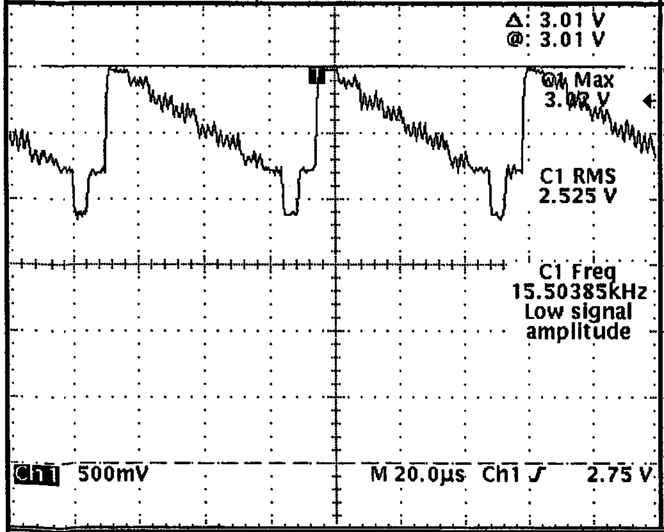
IC602	·	35 Pin
No.67	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



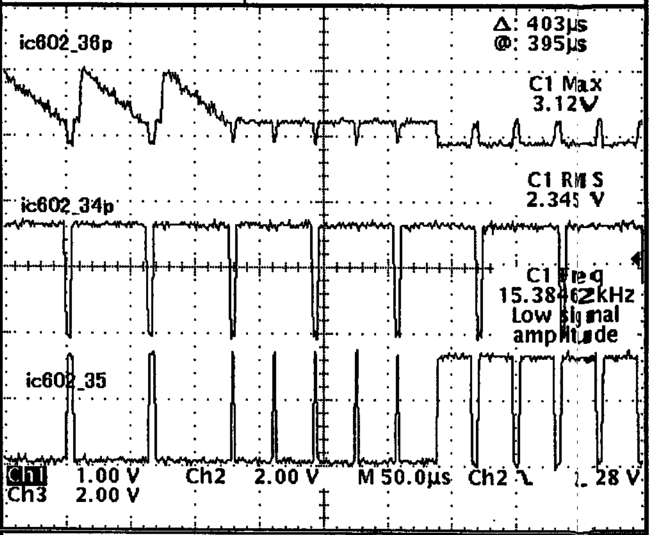
IC602	·	36 Pin
No.68	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



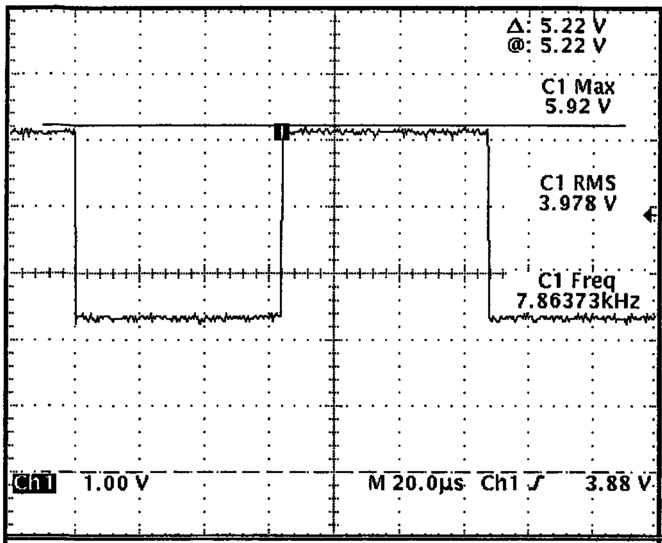
IC602	·	36 Pin
No.69	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



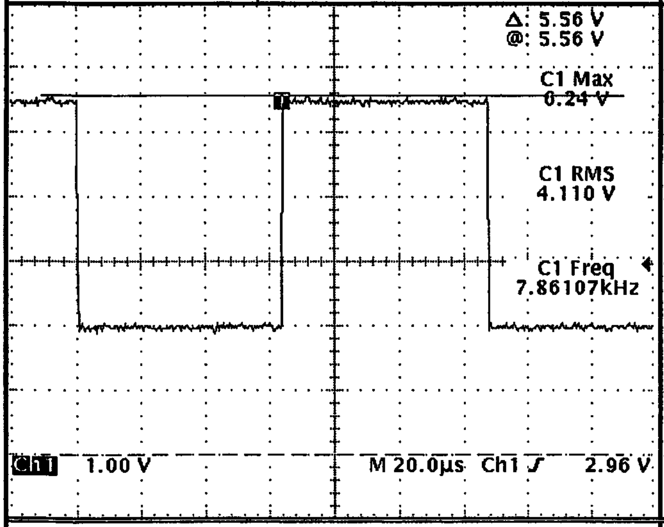
IC602	·	36 Pin
No.70	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



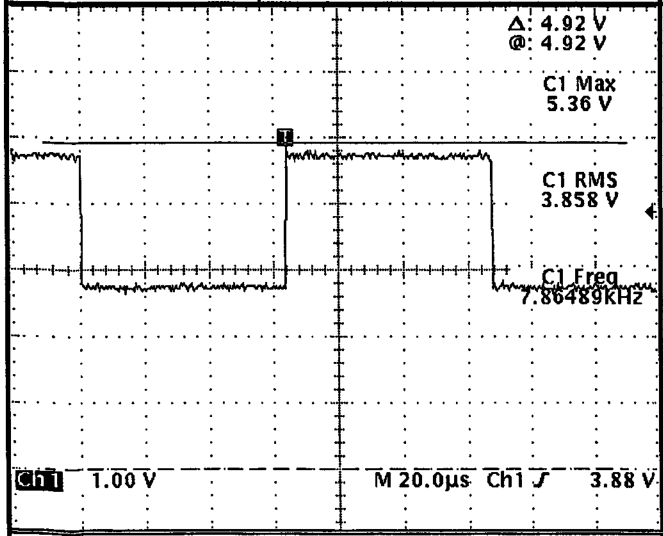
IC602	·	36 Pin
No.71	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



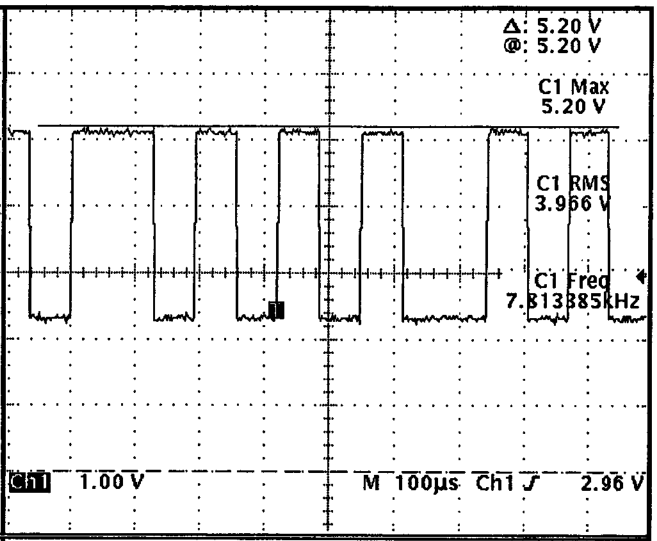
IC602 ·	38 Pin	
No.72	Volt/Div=	V/Div
DC・AC	Time/Div=	S/Div



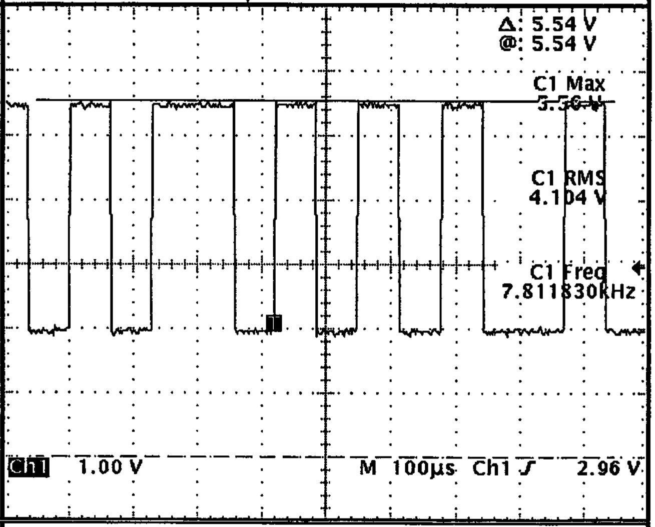
IC602 ·	38 Pin	
No.73	Volt/Div=	V/Div
DC・AC	Time/Div=	S/Div



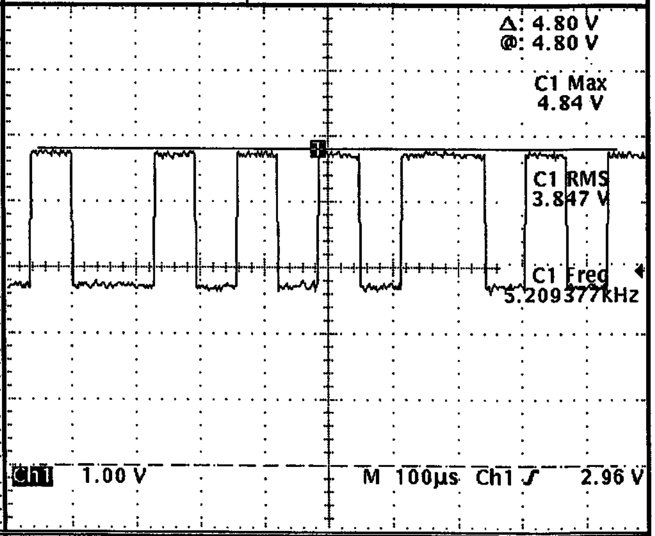
IC602 ·	38 Pin	
No.74	Volt/Div=	V/Div
DC・AC	Time/Div=	S/Div



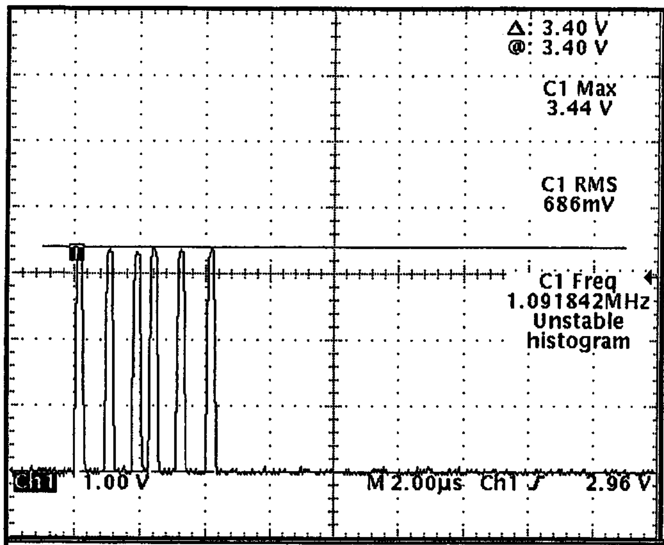
IC602 ·	38 Pin	
No.75	Volt/Div=	V/Div
DC・AC	Time/Div=	S/Div



IC602 ·	38 Pin	
No.76	Volt/Div=	V/Div
DC・AC	Time/Div=	S/Div

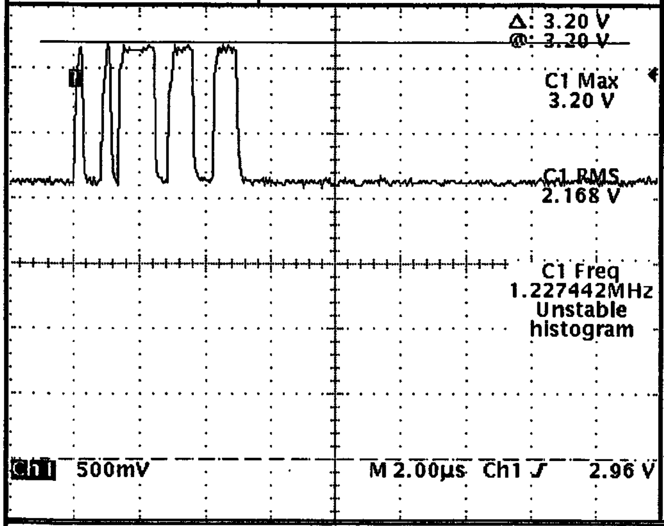


IC602 ·	38 Pin	
No.77	Volt/Div=	V/Div
DC・AC	Time/Div=	S/Div

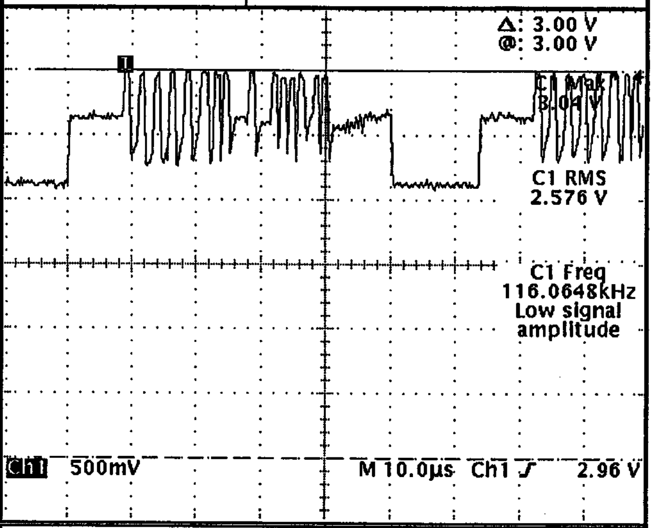


IC602	·	39 Pin
No.78	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div

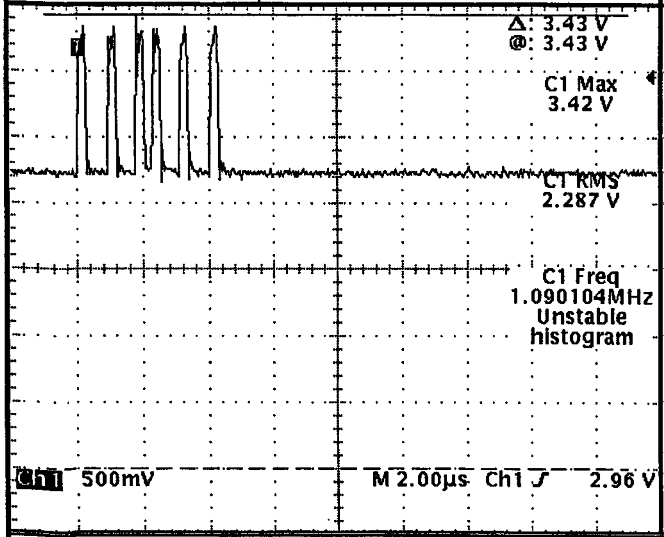
IC	·	Pin
No.	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



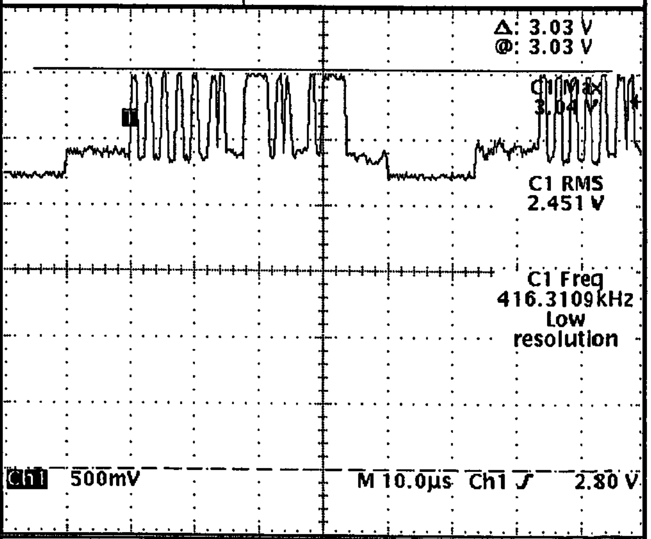
IC602	·	40 Pin
No.79	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



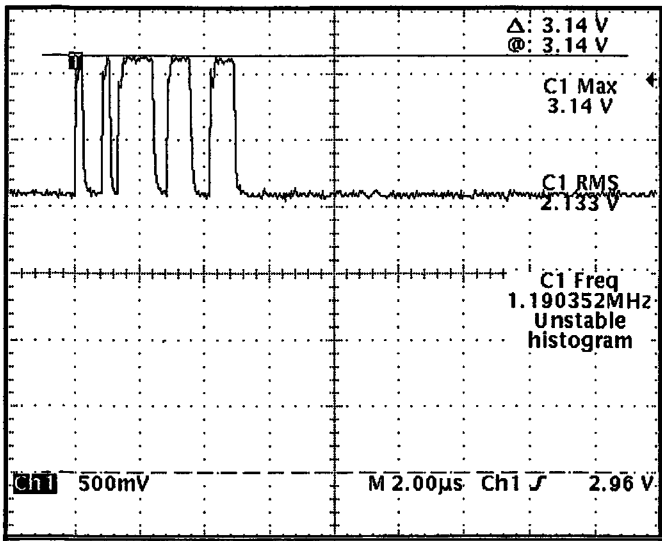
IC602	·	40 Pin
No.80	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



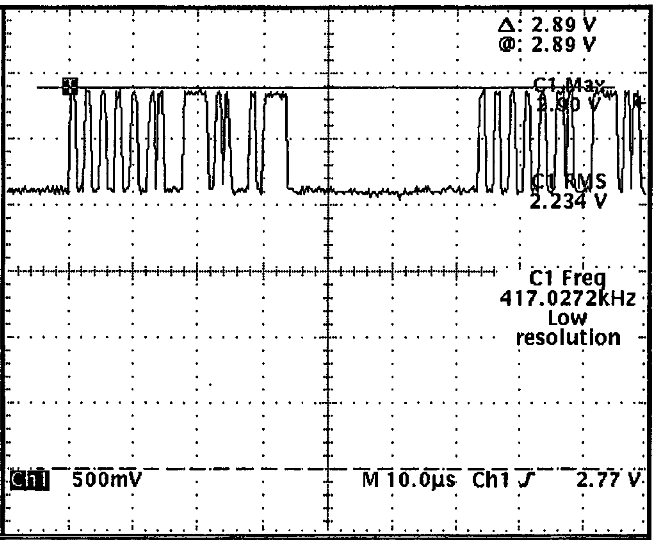
IC602	·	41 Pin
No.81	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



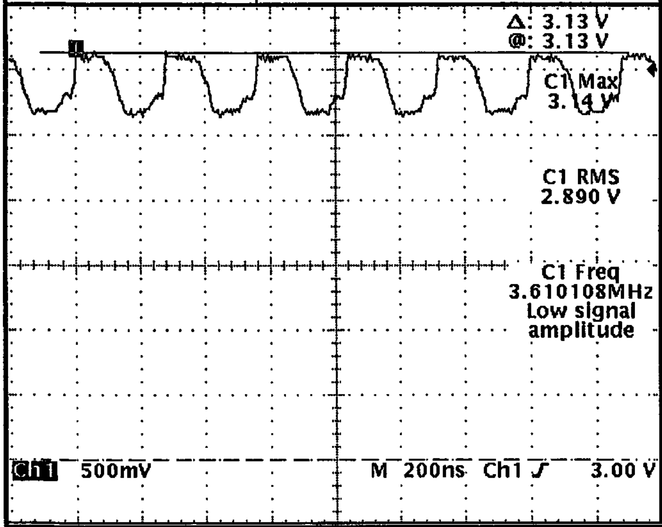
IC602	·	41 Pin
No.82	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



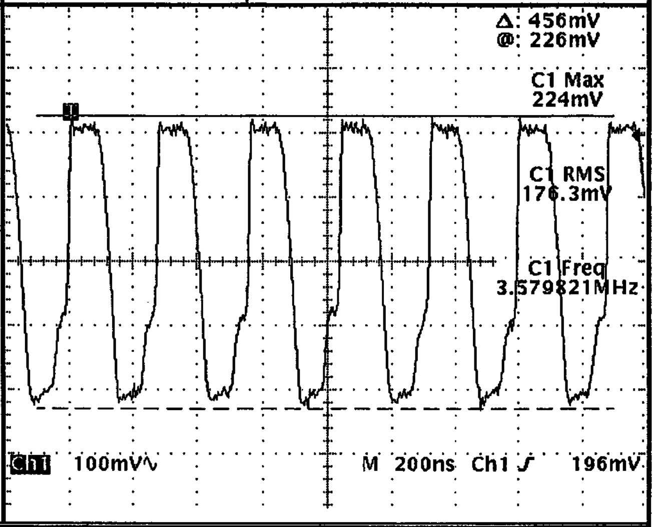
IC602 ·	42 Pin	
No.83	Volt/Div=	V/Div
DC・AC	Time/Div=	S/Div



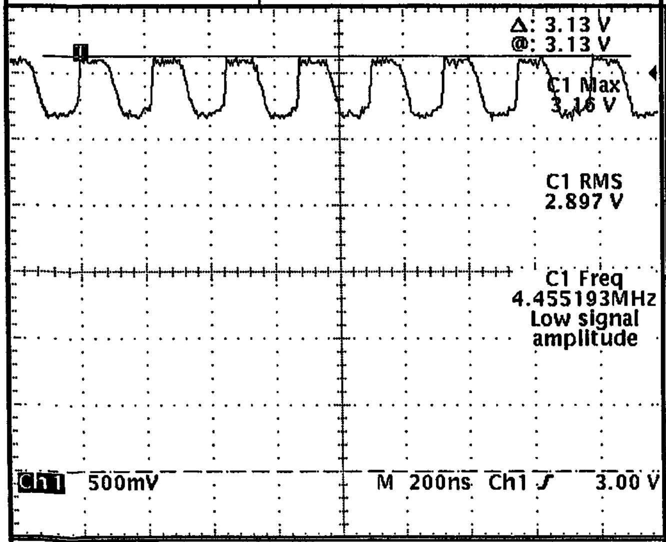
IC602 ·	42 Pin	
No.84	Volt/Div=	V/Div
DC・AC	Time/Div=	S/Div



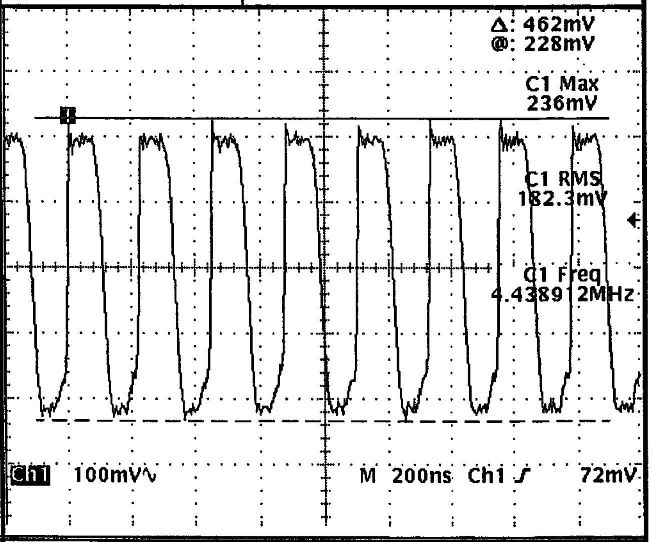
IC603 ·	2 Pin	
No.85	Volt/Div=	V/Div
DC・AC	Time/Div=	S/Div



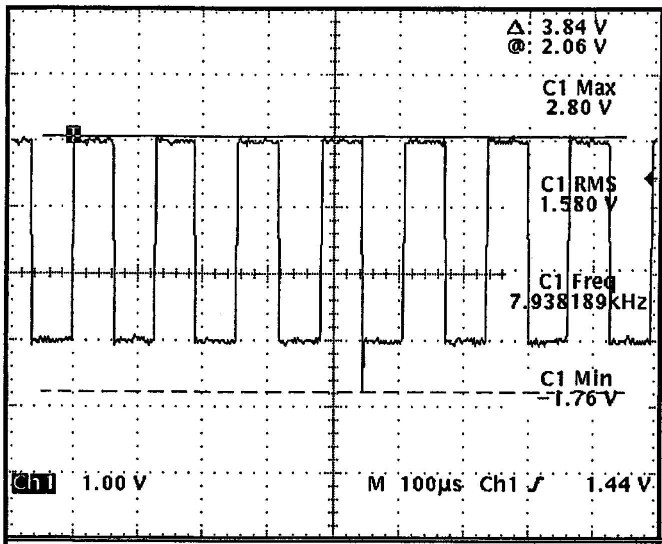
IC603 ·	2 Pin	
No.86	Volt/Div=	V/Div
DC・AC	Time/Div=	S/Div



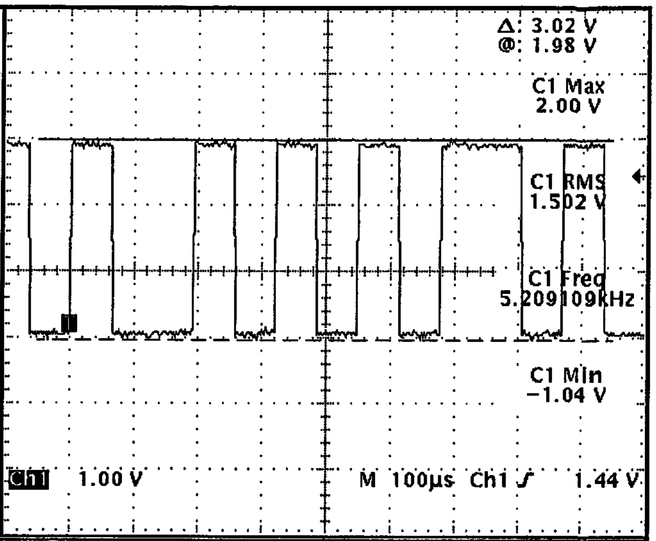
IC603 ·	2 Pin	
No.87	Volt/Div=	V/Div
DC・AC	Time/Div=	S/Div



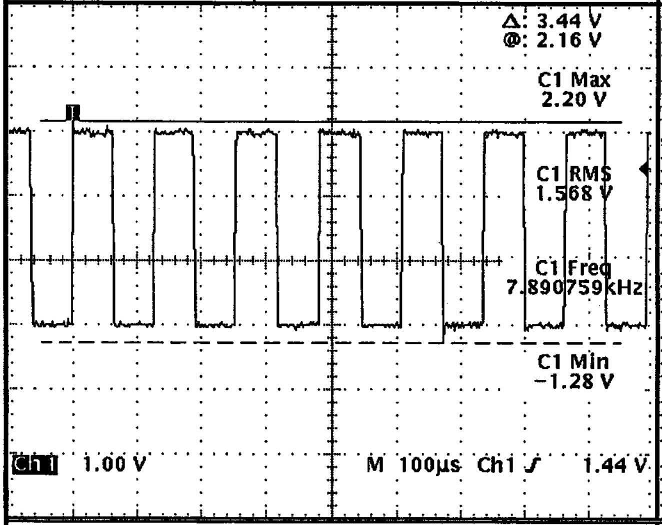
IC603 ·	2 Pin	
No.88	Volt/Div=	V/Div
DC・AC	Time/Div=	S/Div



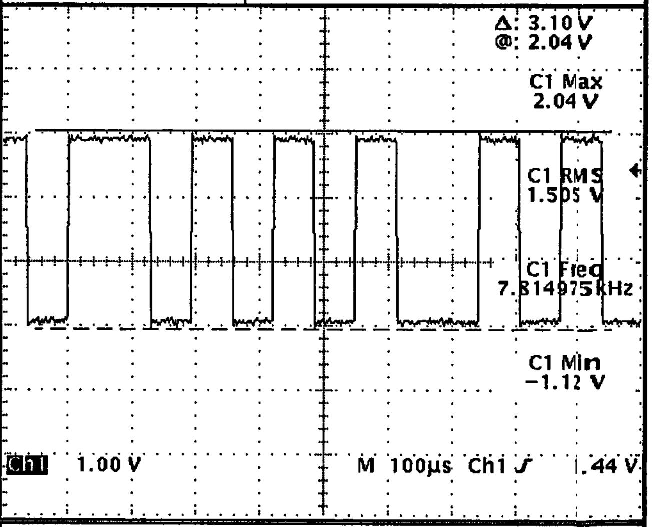
IC607	·	5 Pin
No.89	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



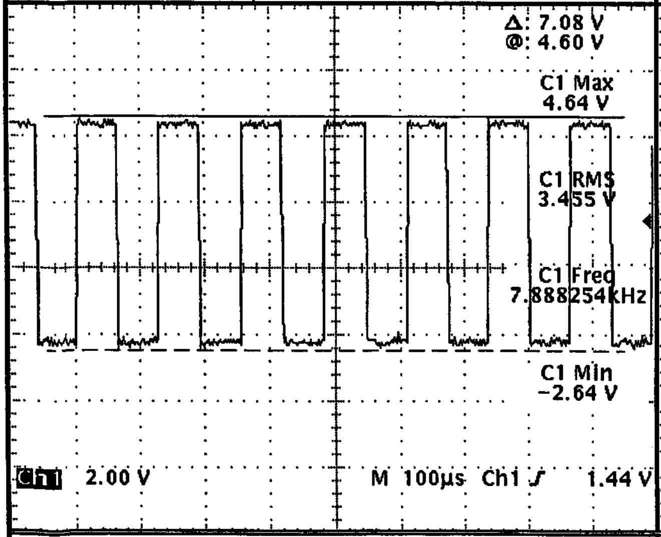
IC607	·	5 Pin
No.90	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



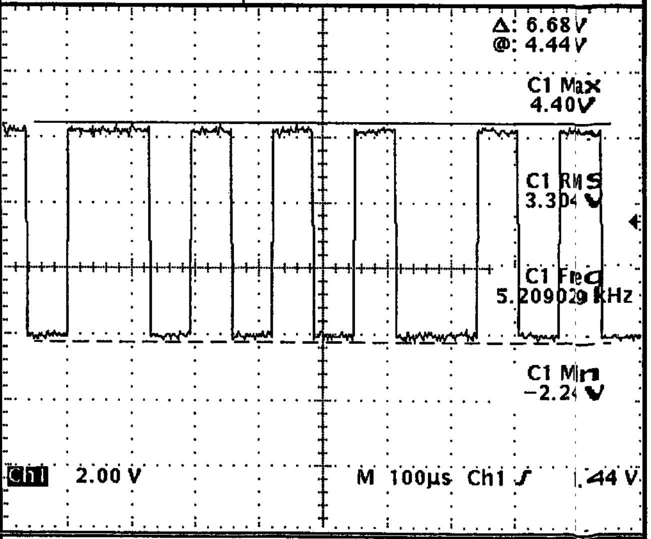
IC607	·	6 Pin
No.91	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



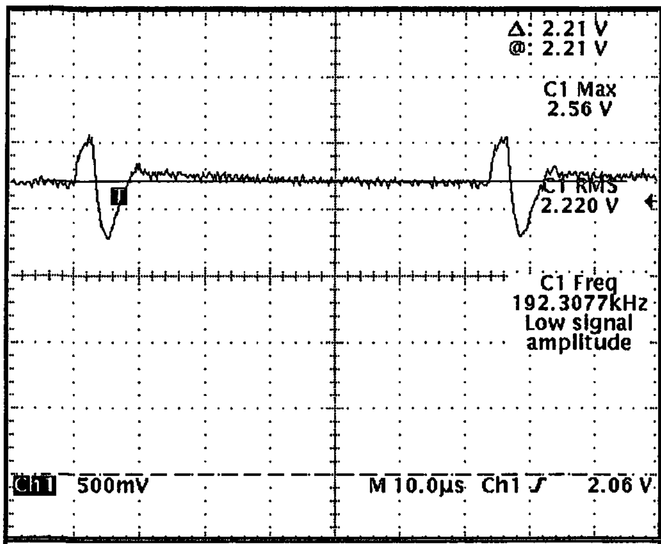
IC607	·	6 Pin
No.92	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



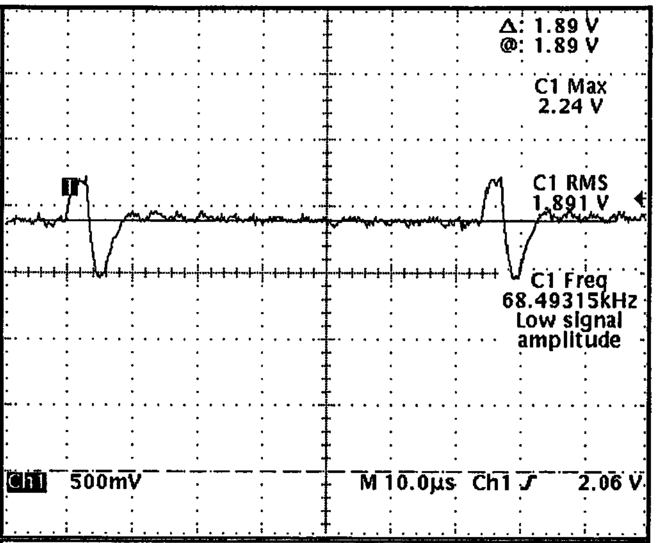
IC607	·	7 Pin
No.93	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



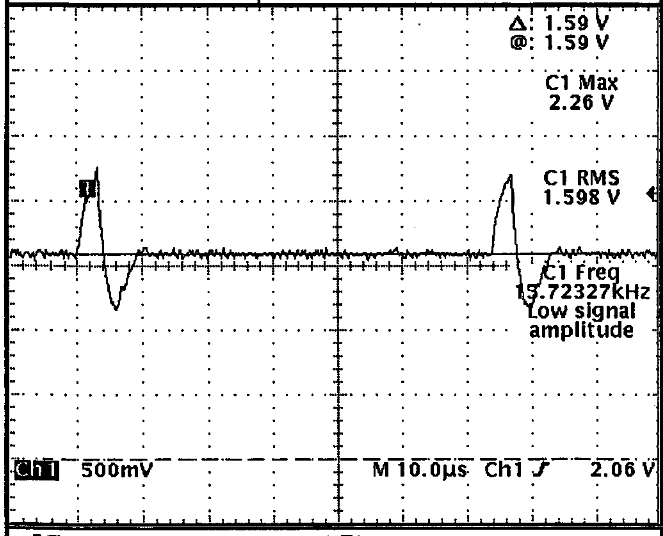
IC607	·	7 Pin
No.94	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



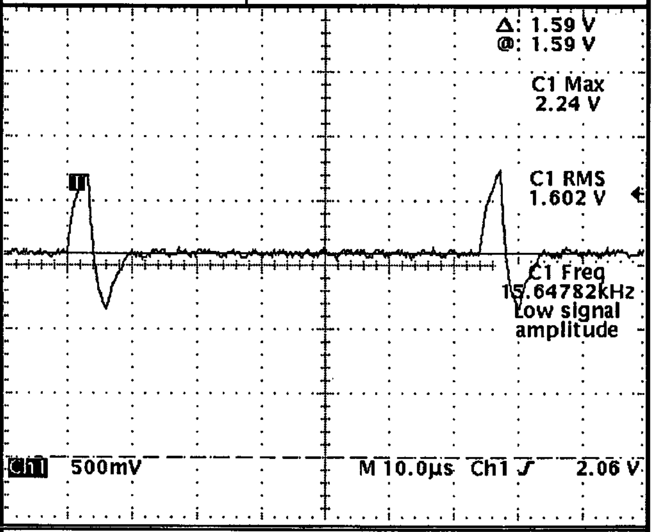
IC608 ·	1 Pin	
No.95	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



IC608 ·	1 Pin	
No.96	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



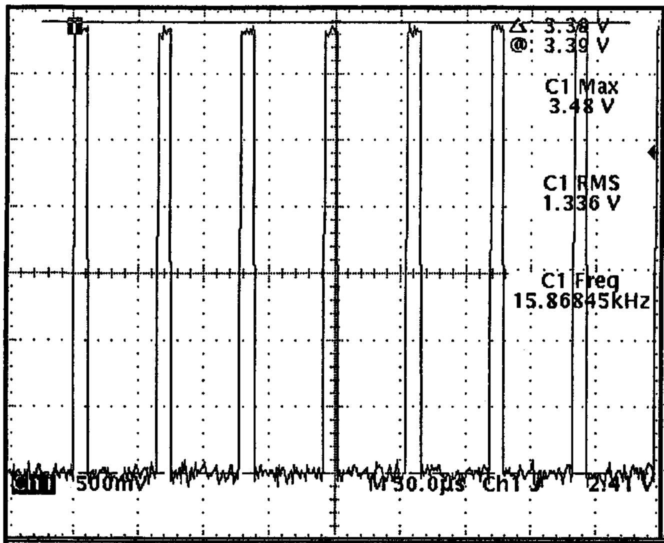
IC608 ·	2 Pin	
No.97	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



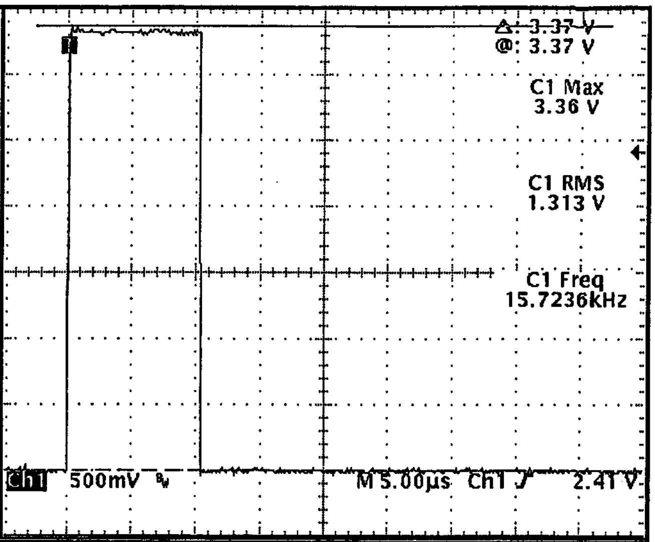
IC608 ·	2 Pin	
No.98	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div

IC ·	Pin	
No.	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div

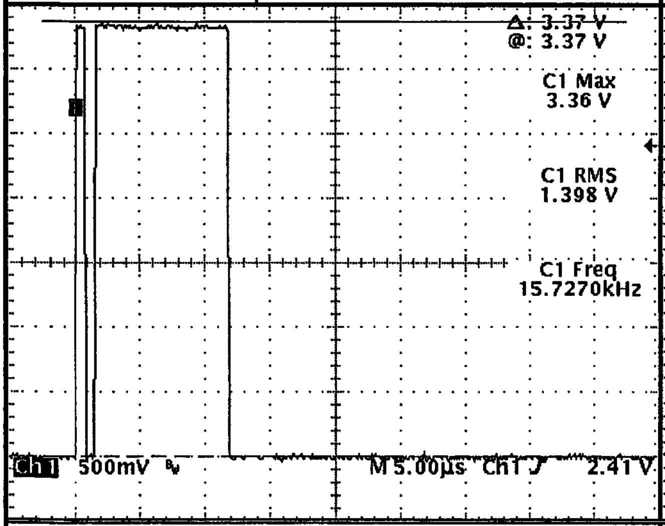
IC ·	Pin	
No.	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



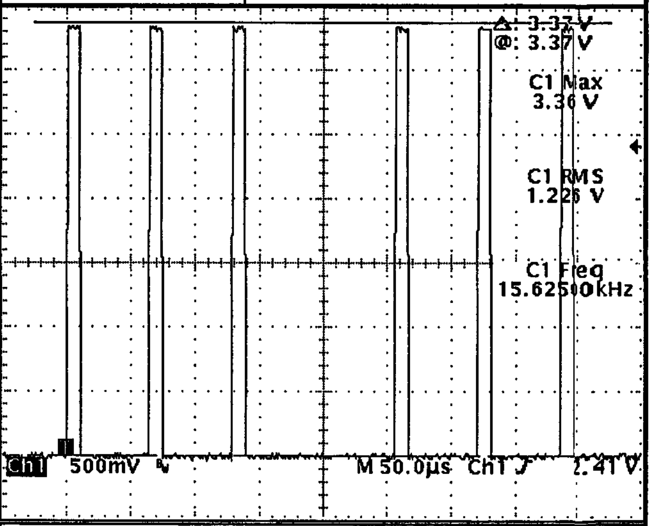
IC609 ·	2 Pin	
No.99	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



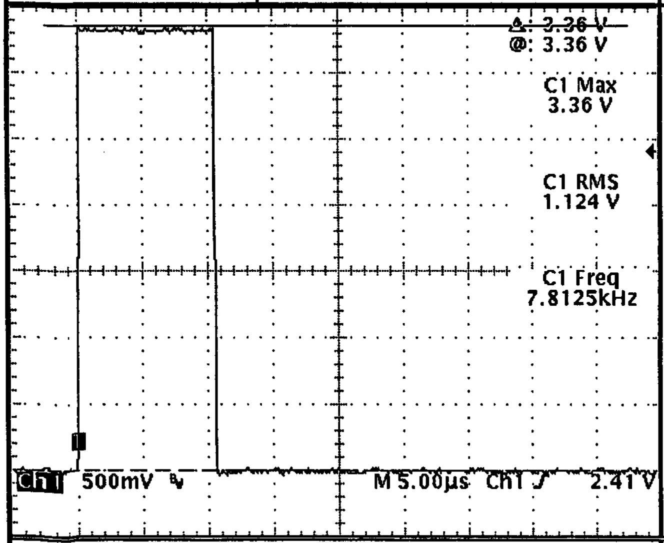
IC609 ·	2 Pin	
No.100	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



IC609 ·	2 Pin	
No.101	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div

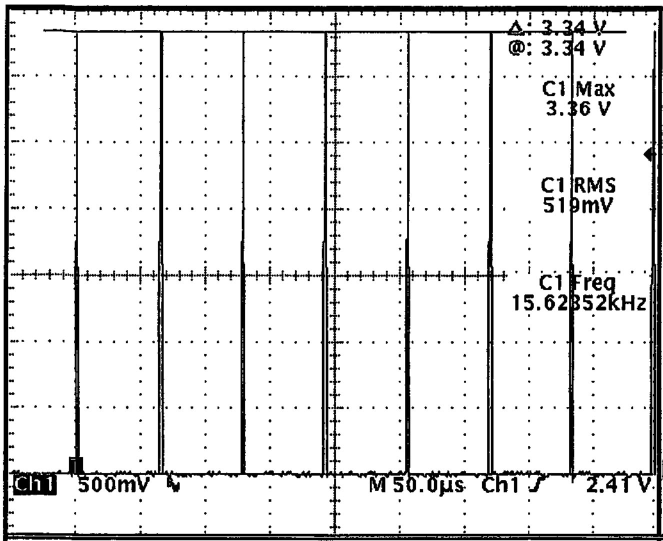


IC609 ·	2 Pin	
No.102	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div

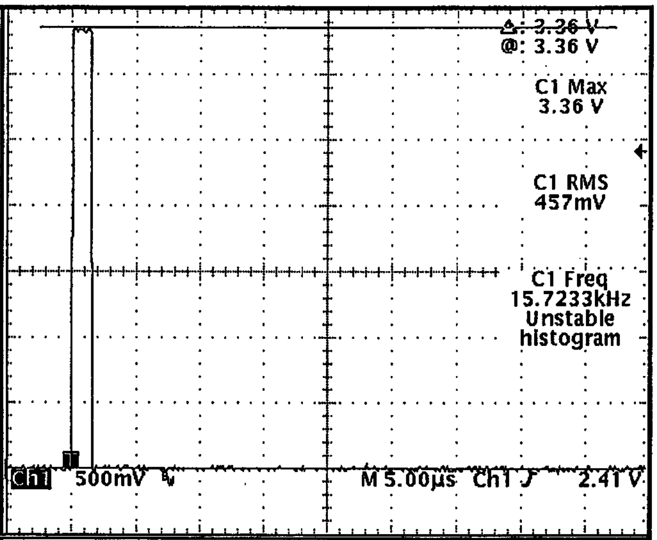


IC609 ·	2 Pin	
No.103	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div

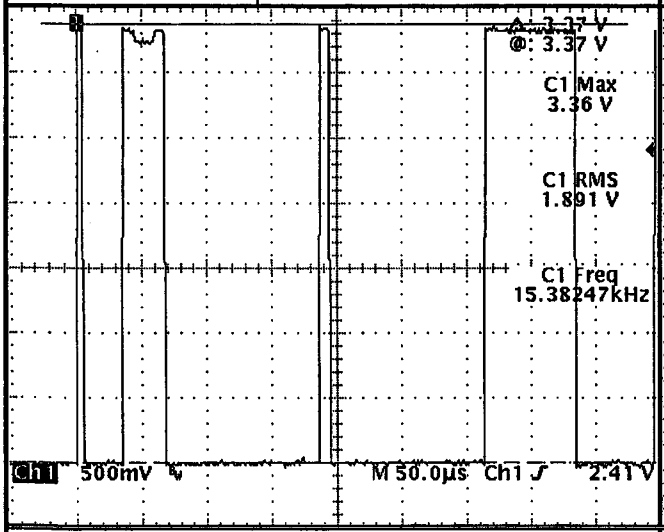
IC ·	Pin	
No.	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



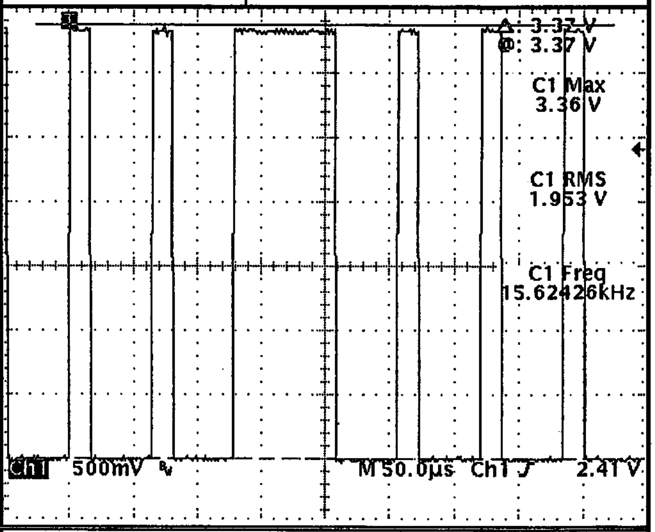
IC609 ·	2 Pin	
No.104	Volt/Div=	V/Div
DC・AC	Time/Div=	S/Div



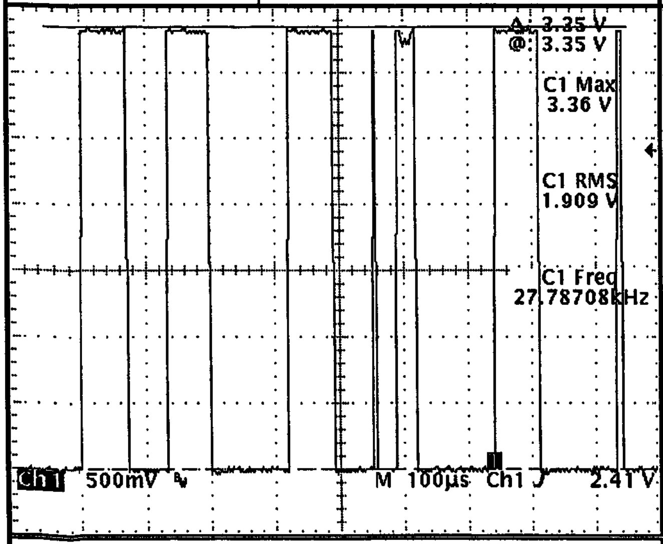
IC609 ·	3 Pin	
No.105	Volt/Div=	V/Div
DC・AC	Time/Div=	S/Div



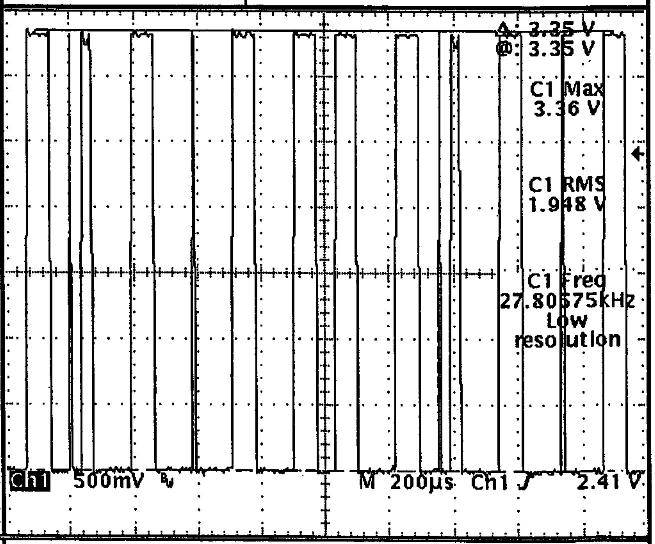
IC609 ·	3 Pin	
No.106	Volt/Div=	V/Div
DC・AC	Time/Div=	S/Div



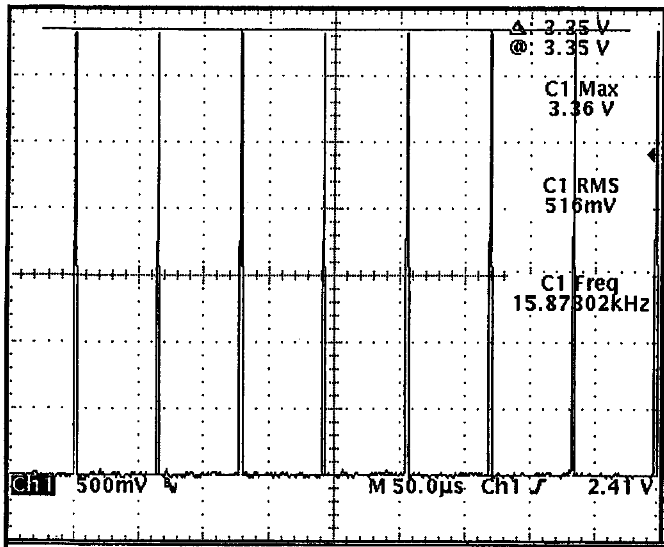
IC609 ·	3 Pin	
No.107	Volt/Div=	V/Div
DC・AC	Time/Div=	S/Div



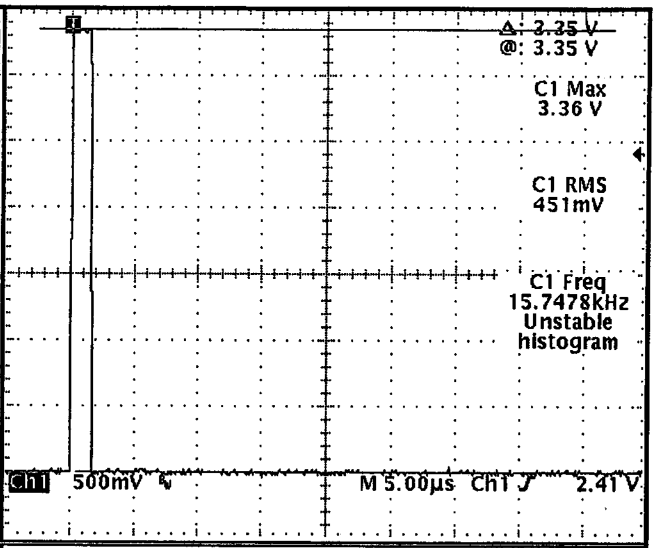
IC609 ·	3 Pin	
No.108	Volt/Div=	V/Div
DC・AC	Time/Div=	S/Div



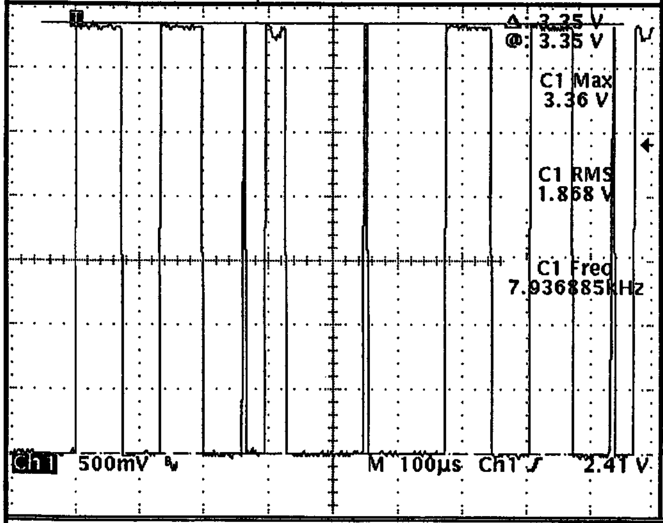
IC609 ·	3 Pin	
No.109	Volt/Div=	V/Div
DC・AC	Time/Div=	S/Div



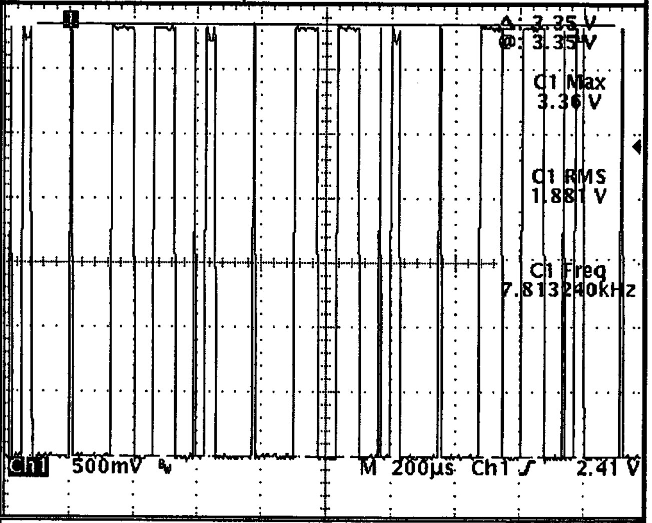
IC609 ·	4 Pin	
No.110	Volt/Div=	V／Div
DC · AC	Time/Div=	S／Div



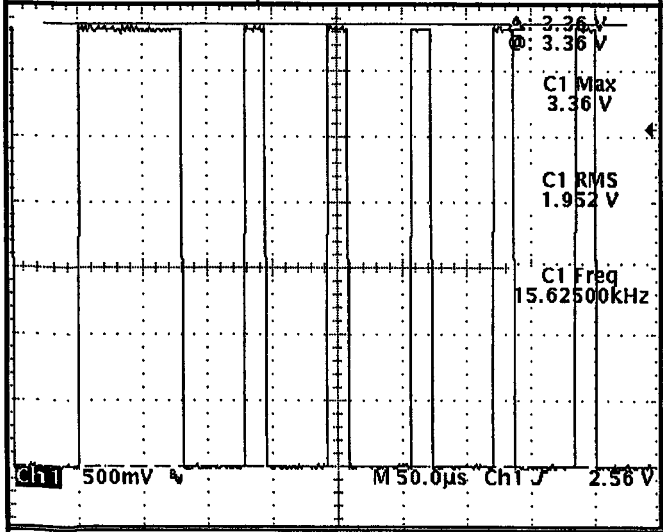
IC609 ·	4 Pin	
No.111	Volt/Div=	V／Div
DC · AC	Time/Div=	S／Div



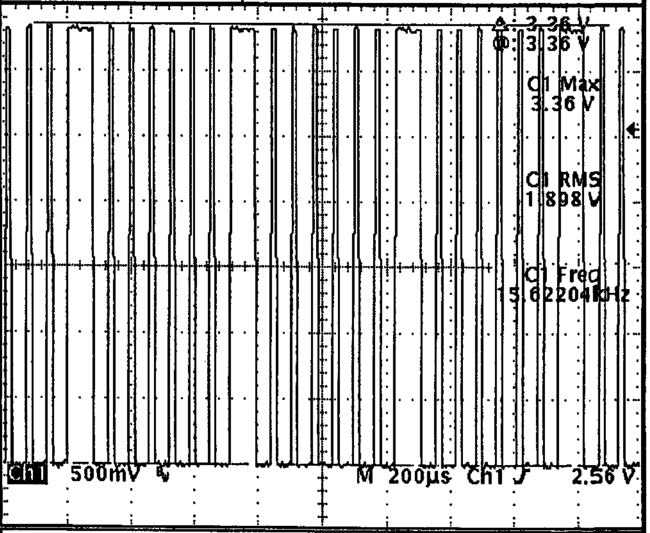
IC609 ·	4 Pin	
No.112	Volt/Div=	V／Div
DC · AC	Time/Div=	S／Div



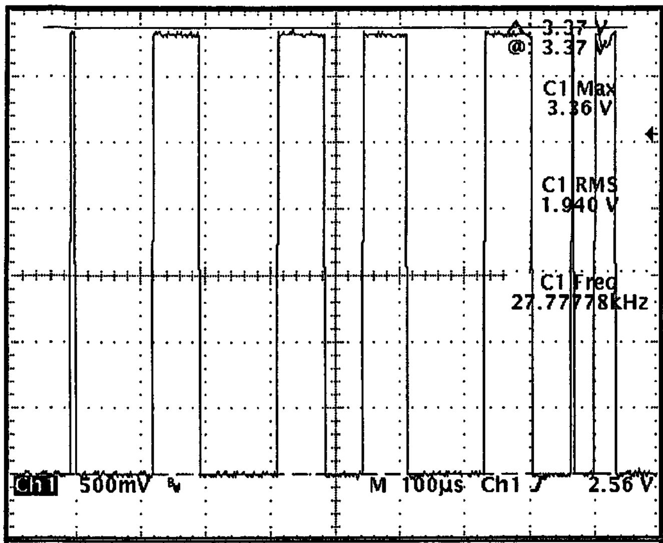
IC609 ·	4 Pin	
No.113	Volt/Div=	V／Div
DC · AC	Time/Div=	S／Div



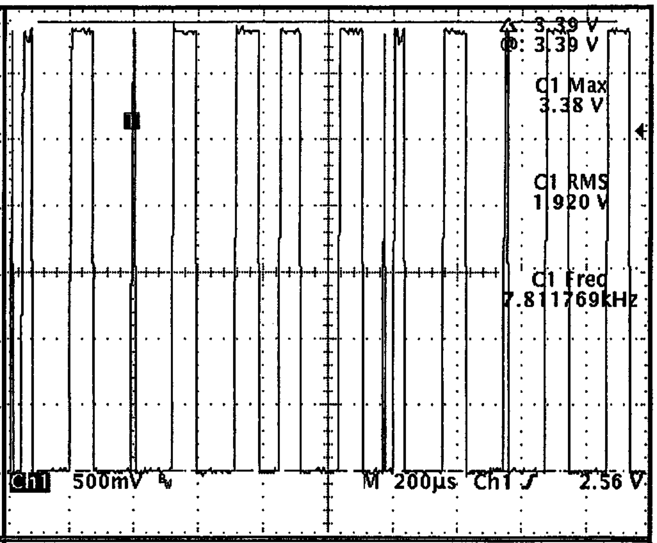
IC609 ·	4 Pin	
No.114	Volt/Div=	V／Div
DC · AC	Time/Div=	S／Div



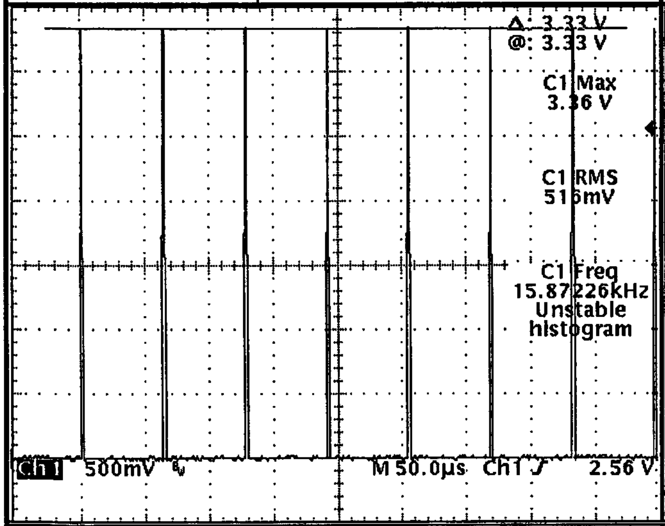
IC609 ·	4 Pin	
No.115	Volt/Div=	V／Div
DC · AC	Time/Div=	S／Div



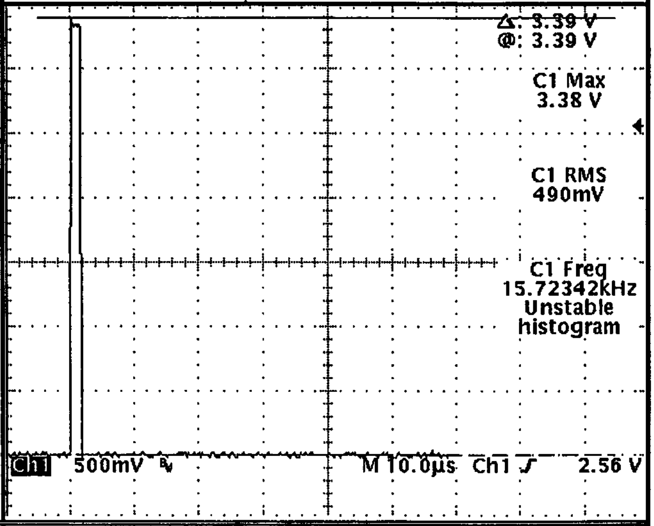
IC609	4 Pin	
No.116	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



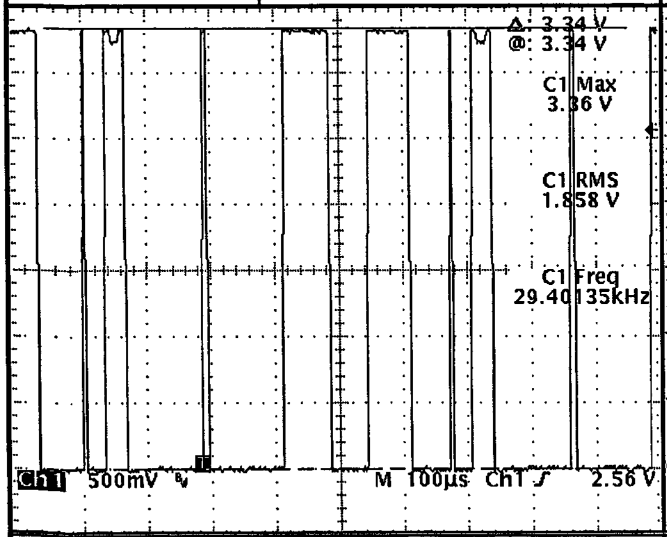
IC609	4 Pin	
No.117	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



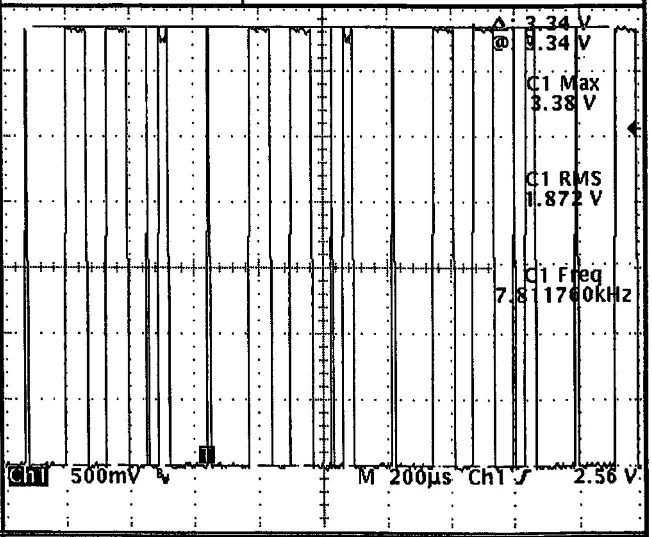
IC609	5 Pin	
No.118	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



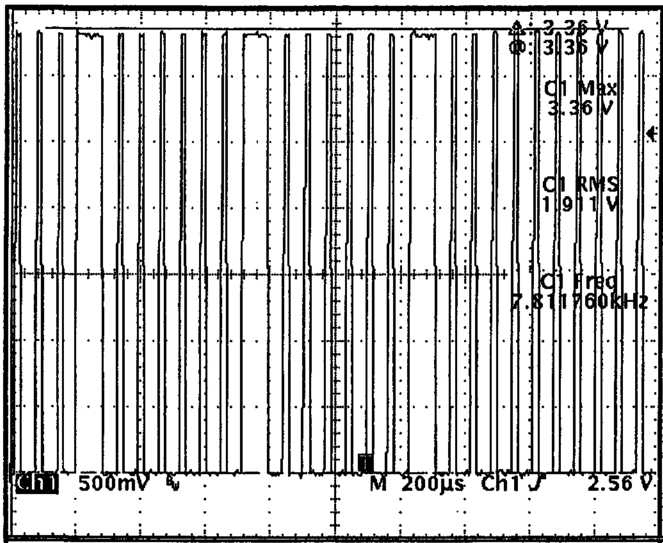
IC609	5 Pin	
No.119	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



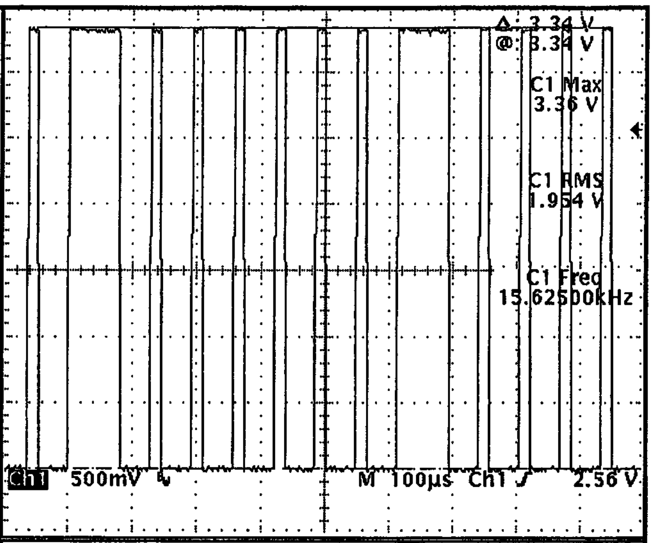
IC609	5 Pin	
No.120	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



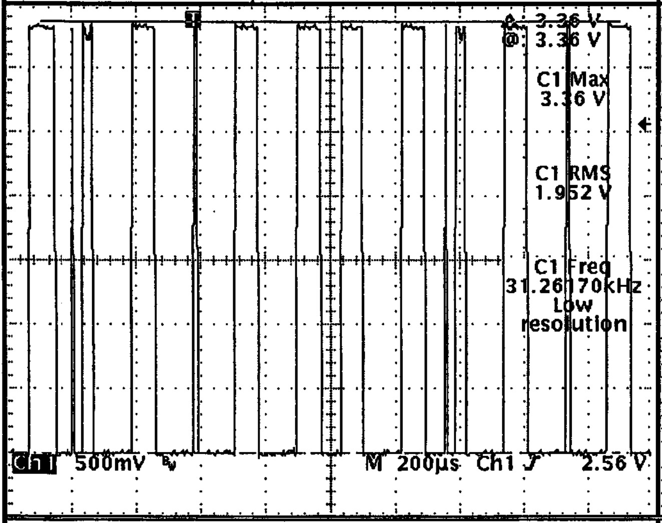
IC609	5 Pin	
No.121	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



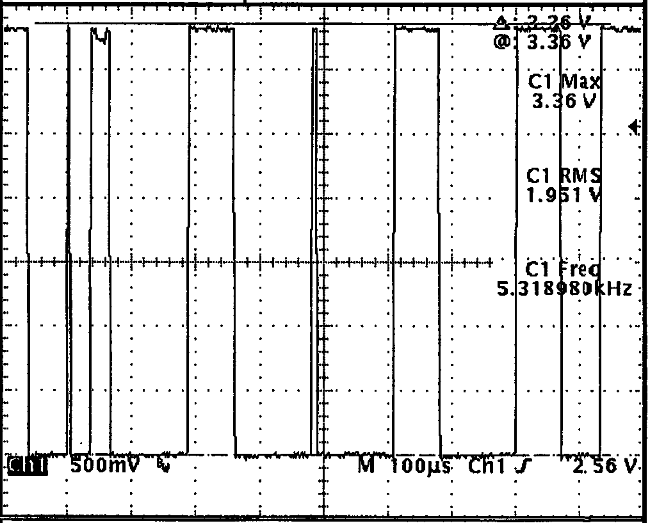
IC609 ·	5 Pin	
No.122	Volt/Div=	V／Div
DC · AC	Time/Div=	S／Div



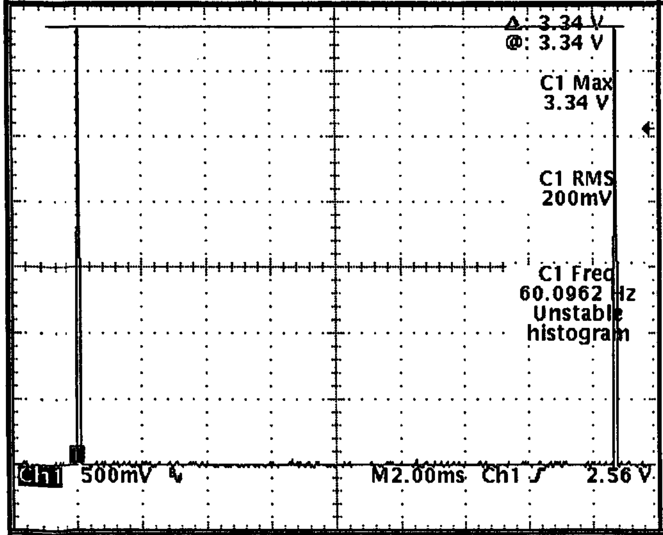
IC609 ·	5 Pin	
No.123	Volt/Div=	V／Div
DC · AC	Time/Div=	S／Div



IC609 ·	5 Pin	
No.124	Volt/Div=	V／Div
DC · AC	Time/Div=	S／Div

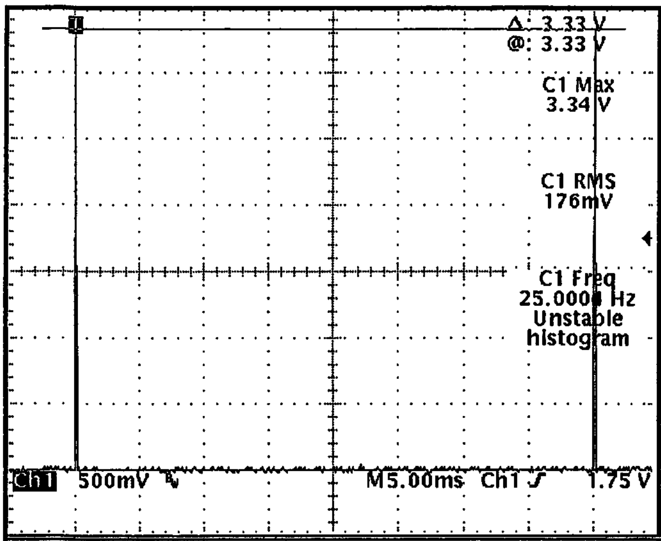


IC609 ·	5 Pin	
No.125	Volt/Div=	V／Div
DC · AC	Time/Div=	S／Div

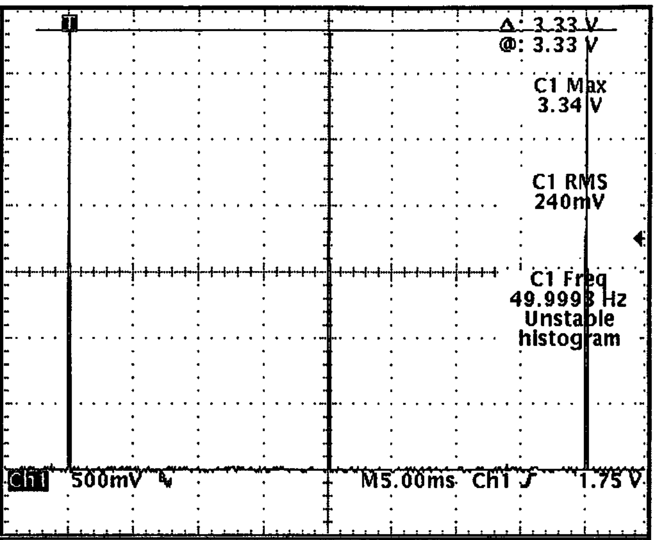


IC609 ·	6 Pin	
No.126	Volt/Div=	V／Div
DC · AC	Time/Div=	S／Div

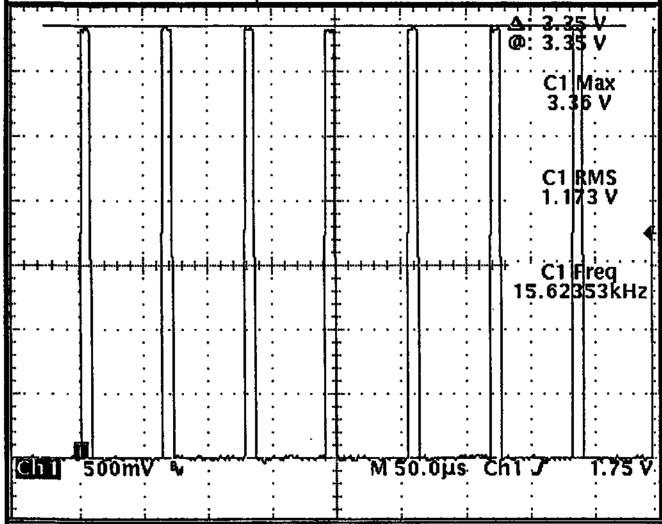
IC ·	Pin	
No.	Volt/Div=	V／Div
DC · AC	Time/Div=	S／Div



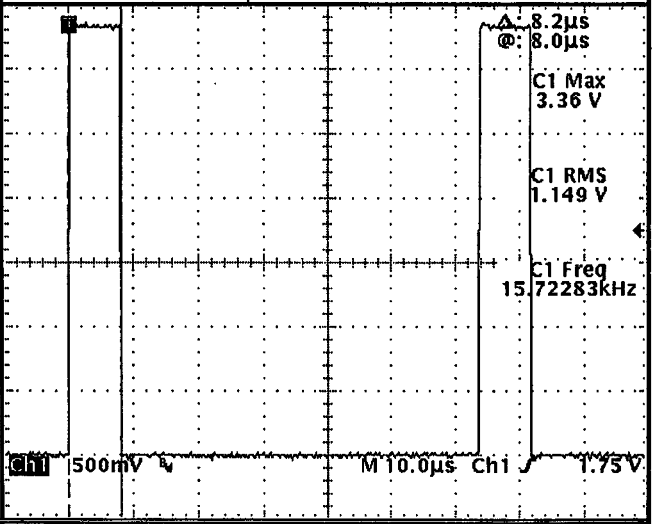
IC609 ·	6 Pin	
No.127	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



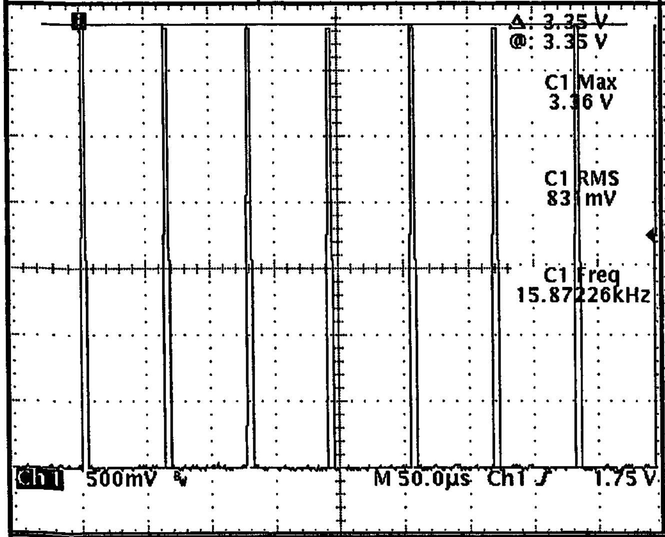
IC609 ·	6 Pin	
No.128	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



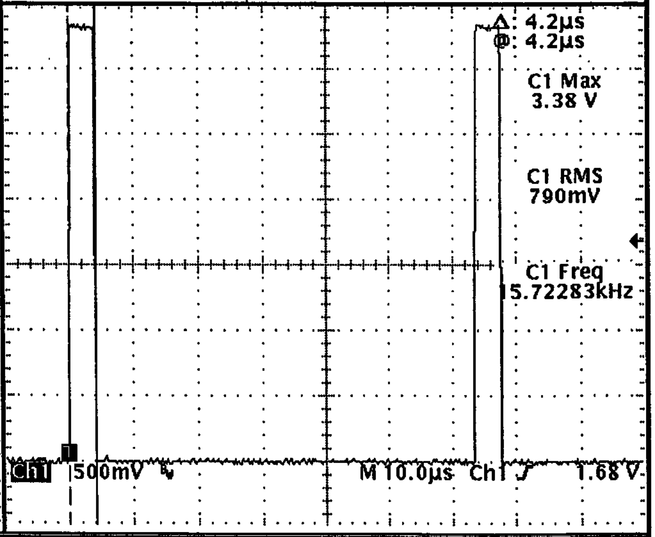
IC609 ·	7 Pin	
No.129	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



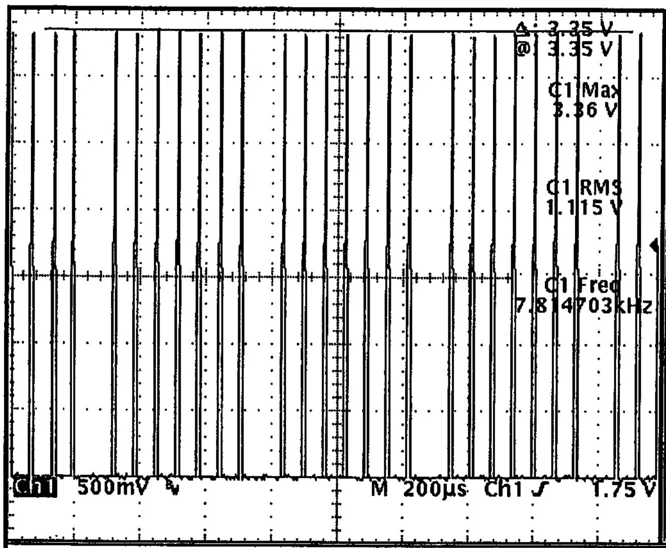
IC609 ·	7 Pin	
No.130	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



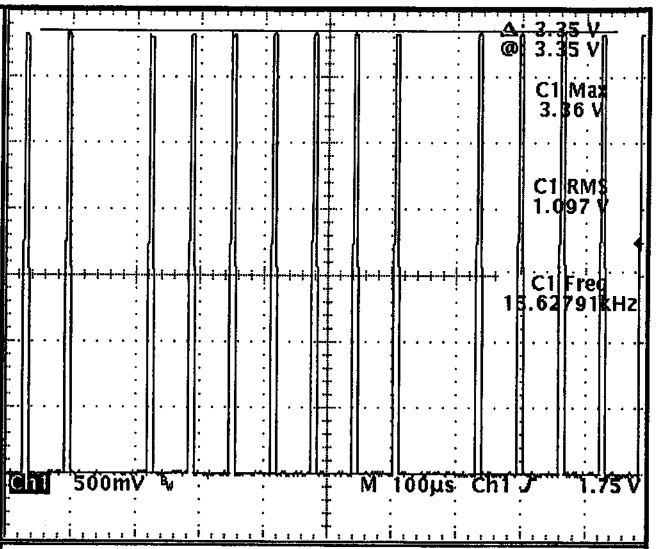
IC609 ·	7 Pin	
No.131	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



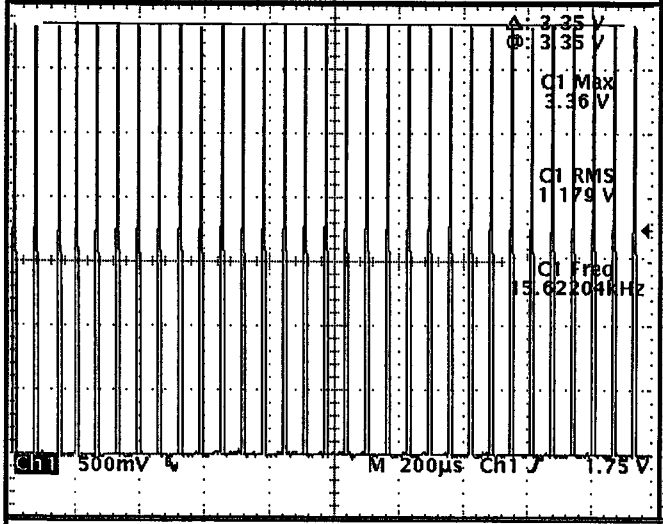
IC609 ·	7 Pin	
No.132	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



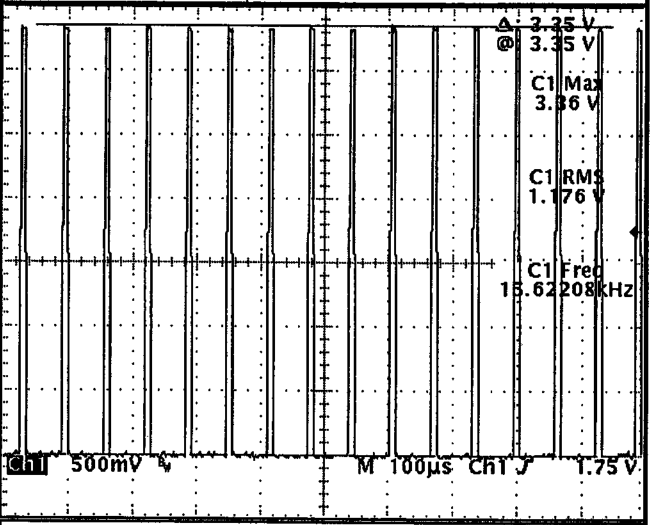
IC609	·	7 Pin
No.133	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



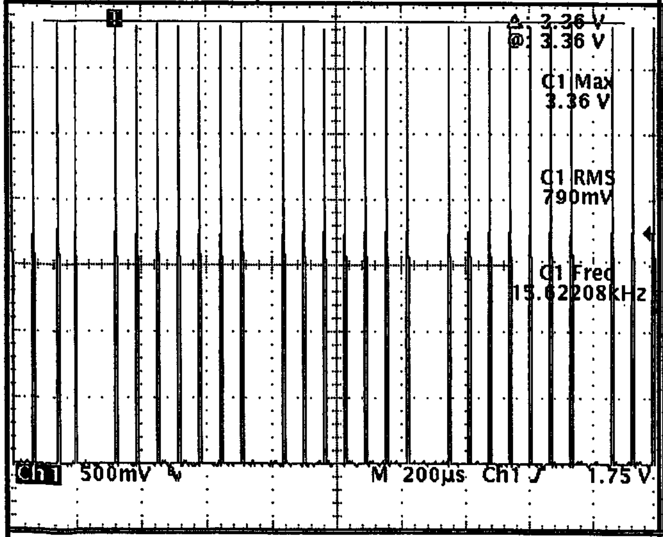
IC609	·	7 Pin
No.134	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



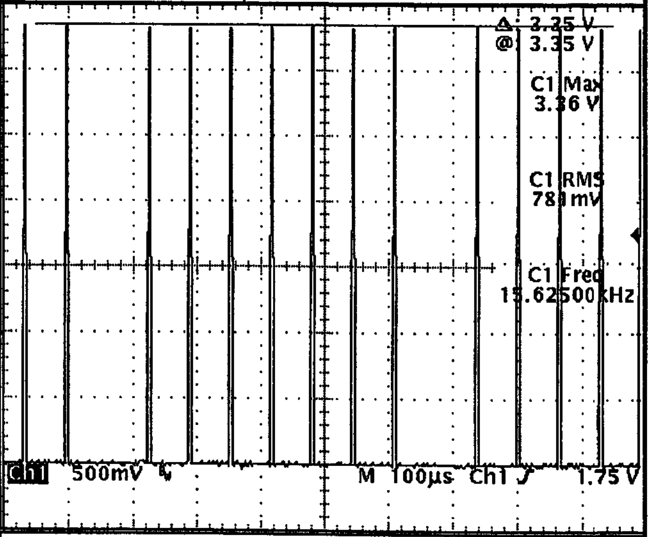
IC609	·	7 Pin
No.136	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



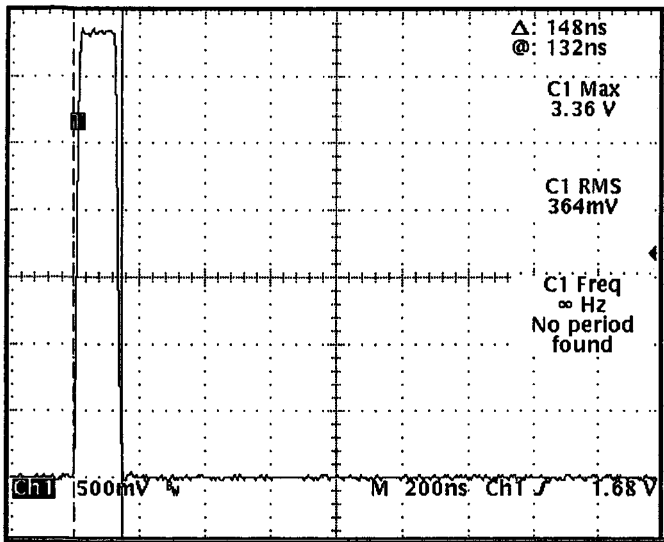
IC609	·	7 Pin
No.137	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



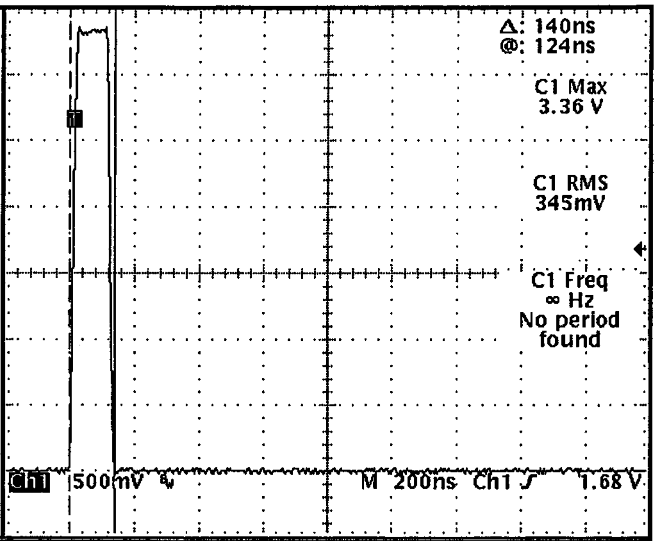
IC609	·	7 Pin
No.138	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



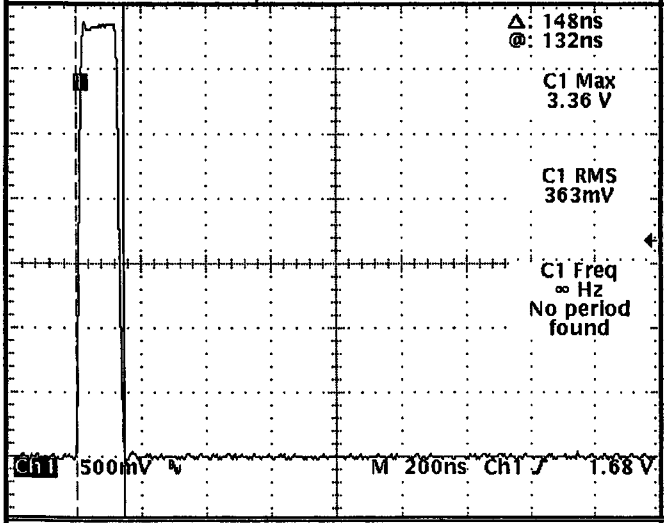
IC609	·	7 Pin
No.139	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



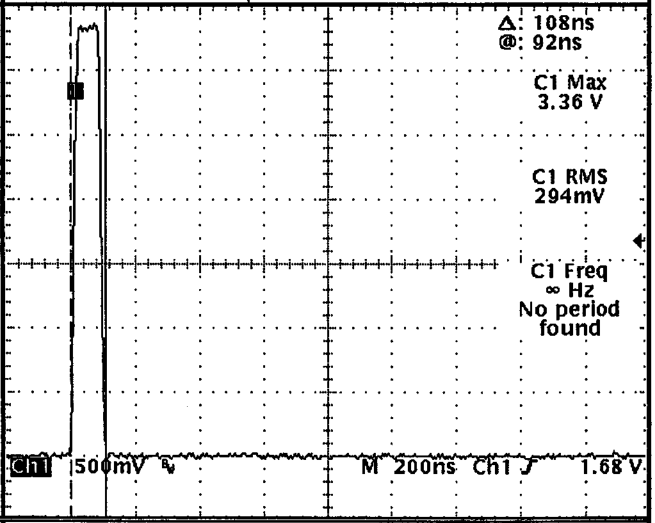
IC609 ·	8 Pin	
No.141	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



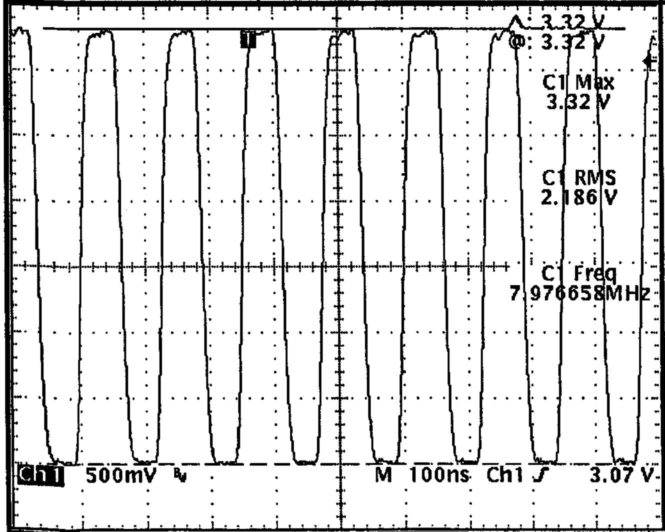
IC609 ·	8 Pin	
No.142	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



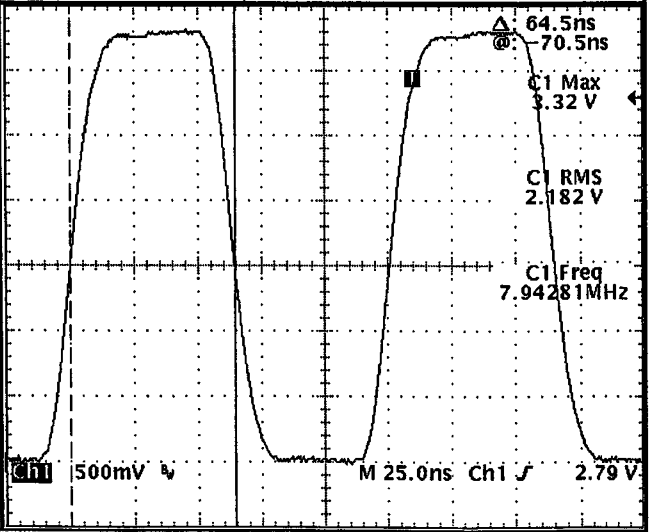
IC609 ·	8 Pin	
No.143	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



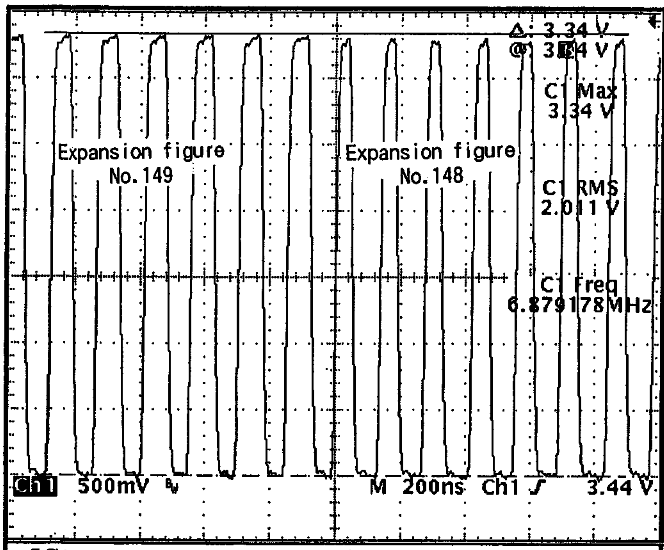
IC609 ·	8 Pin	
No.144	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



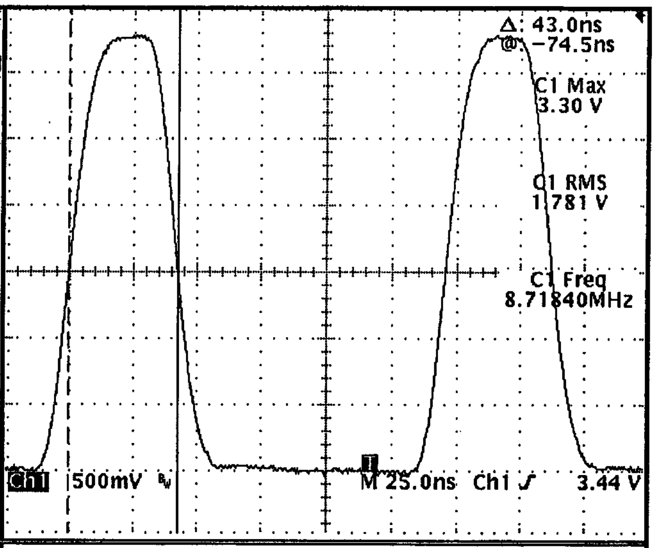
IC609 ·	11 Pin	
No.145	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



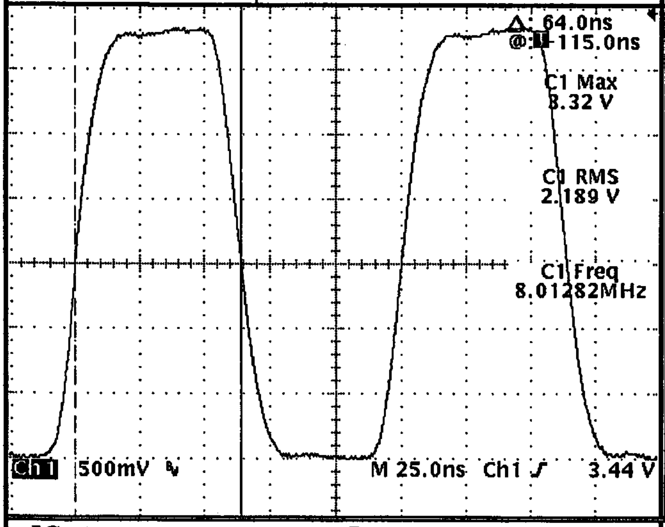
IC609 ·	11 Pin	
No.146	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



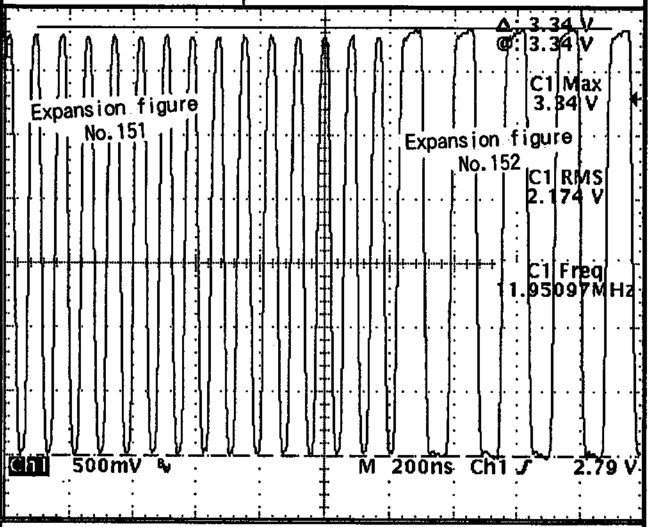
IC609 · 11 Pin		
No.147	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



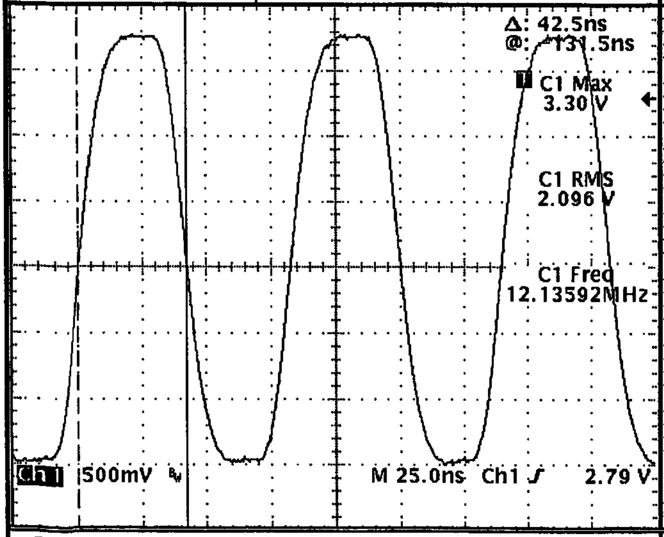
IC609 · 11 Pin		
No.148	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



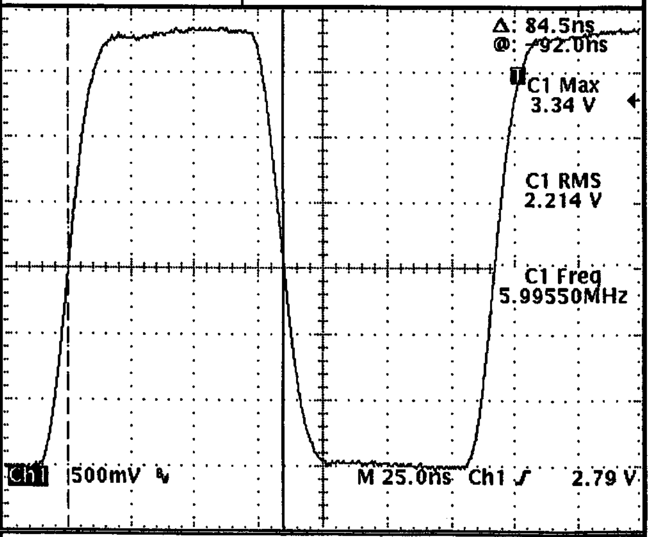
IC609 · 11 Pin		
No.149	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



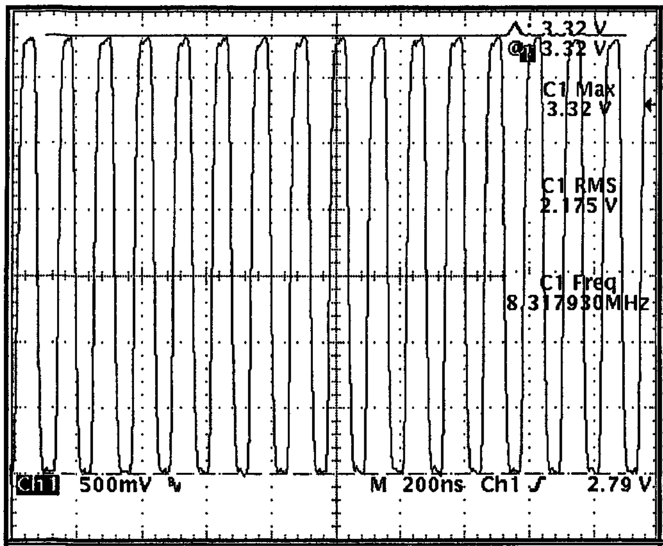
IC609 · 11 Pin		
No.150	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



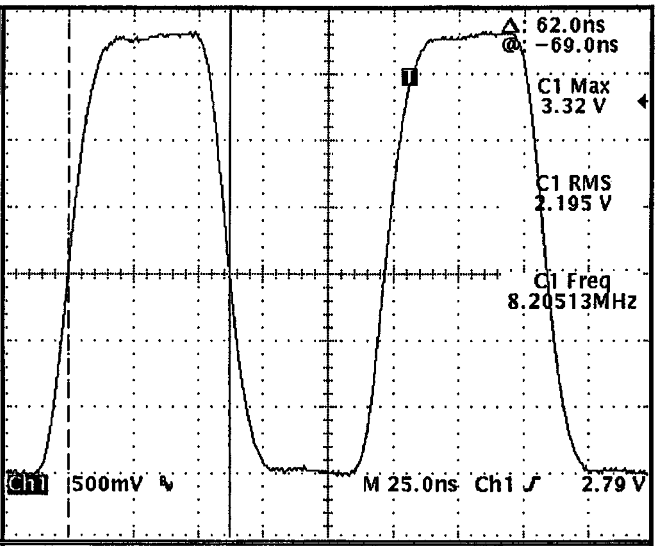
IC609 · 11 Pin		
No.151	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



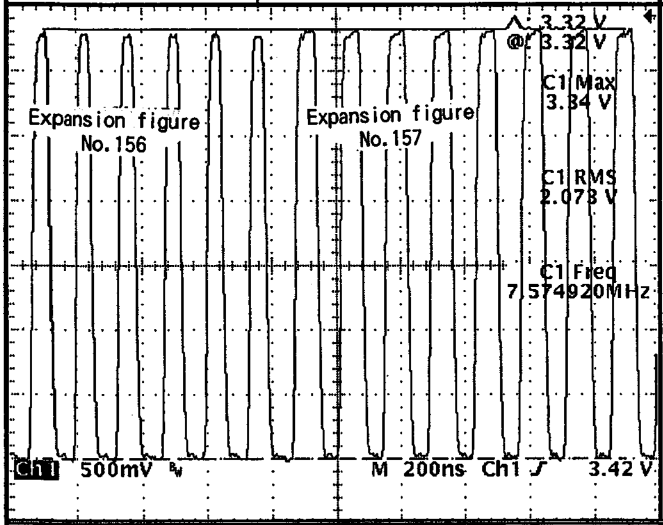
IC609 · 11 Pin		
No.152	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



IC609 ·	11 Pin	
No.153	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div

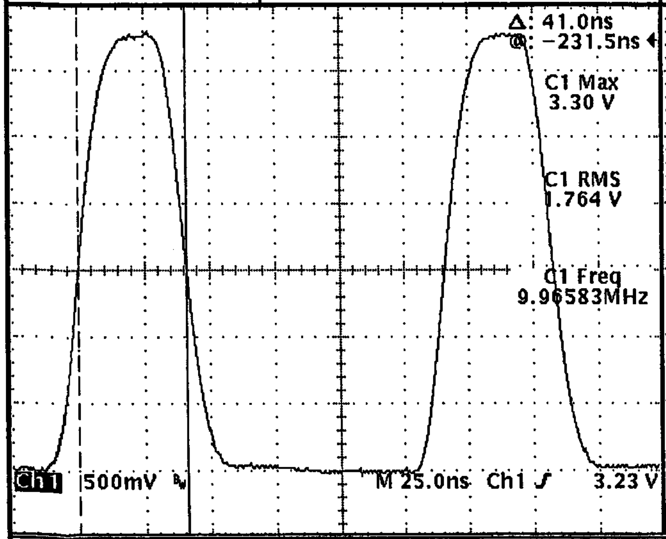


IC609 ·	11 Pin	
No.154	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div

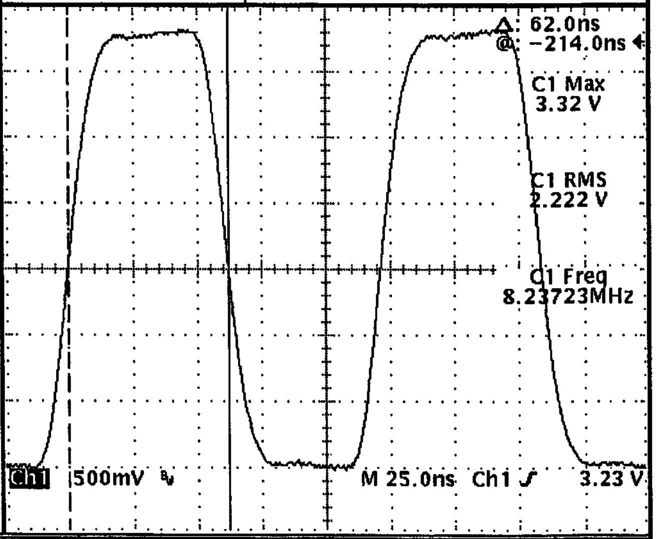


IC609 ·	11 Pin	
No.155	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div

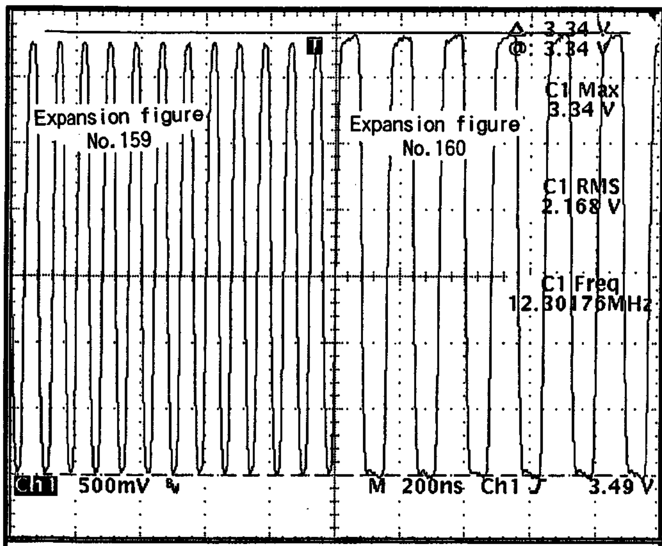
IC ·	Pin	
No.	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



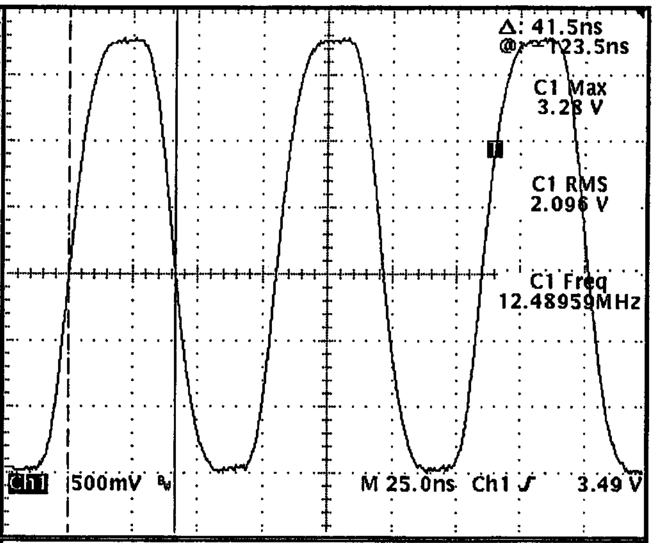
IC609 ·	11 Pin	
No.156	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



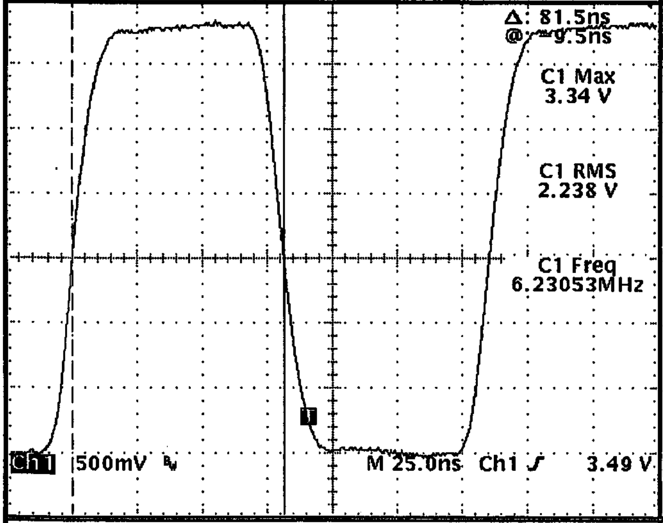
IC609 ·	11 Pin	
No.157	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



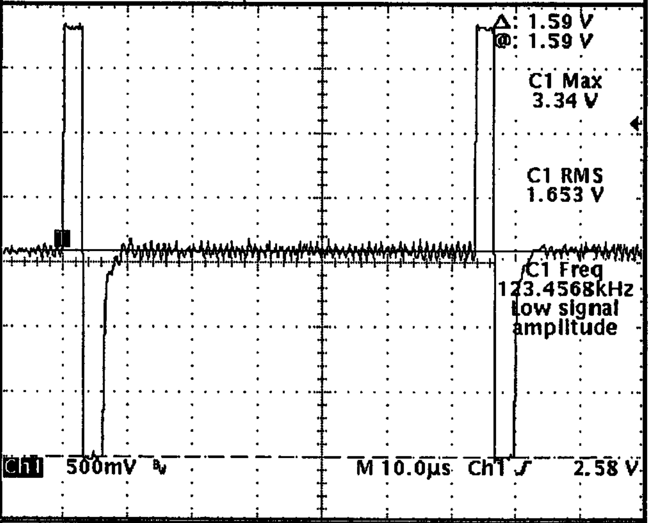
IC609 ·	11 Pin	
No.158	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



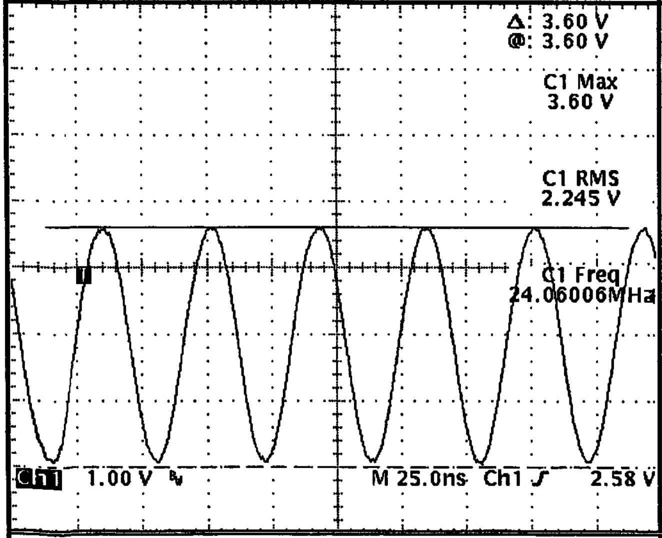
IC609 ·	11 Pin	
No.159	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



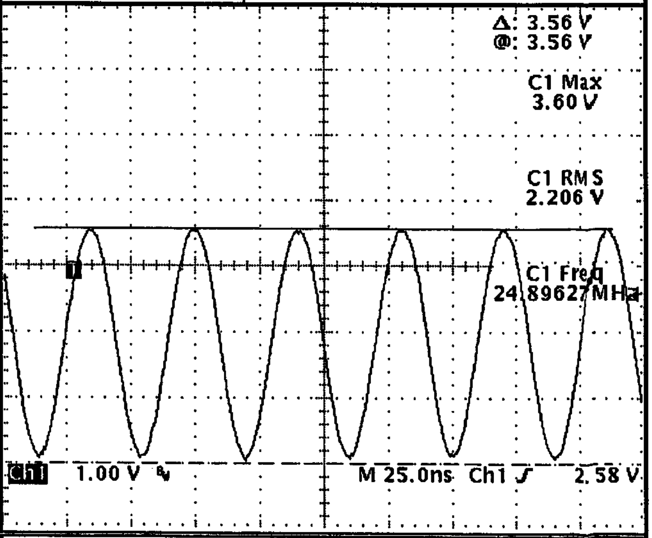
IC609 ·	11 Pin	
No.160	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



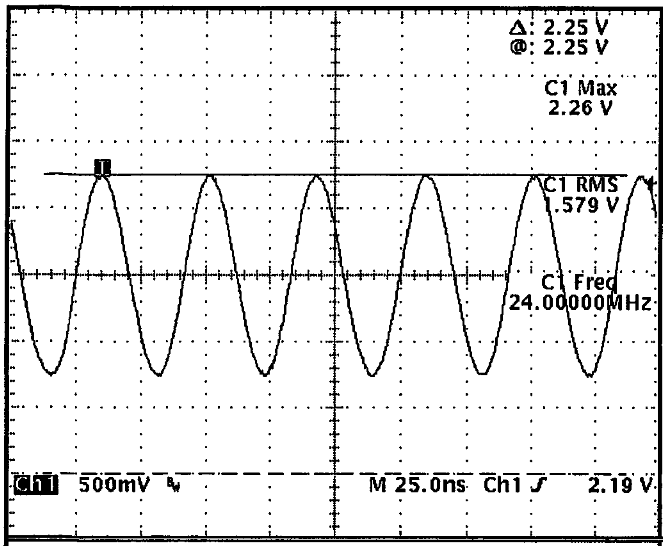
IC609 ·	13 Pin	
No.161	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



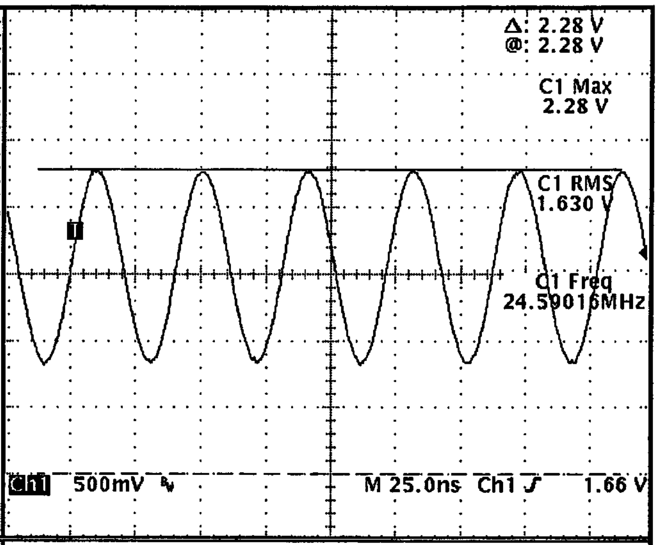
IC609 ·	16 Pin	
No.162	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



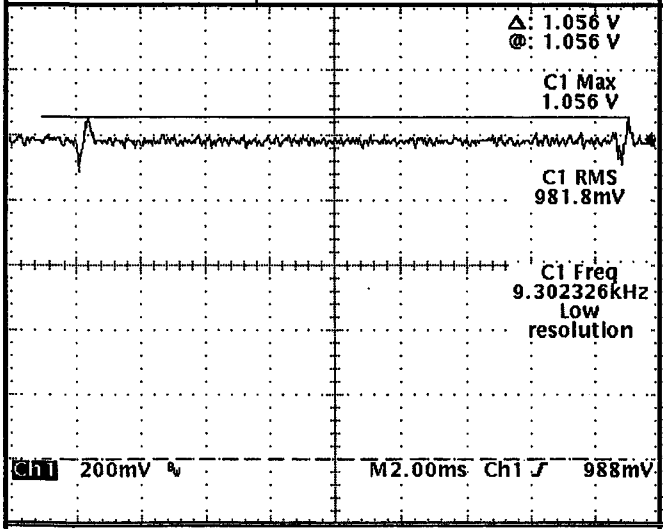
IC609 ·	16 Pin	
No.163	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



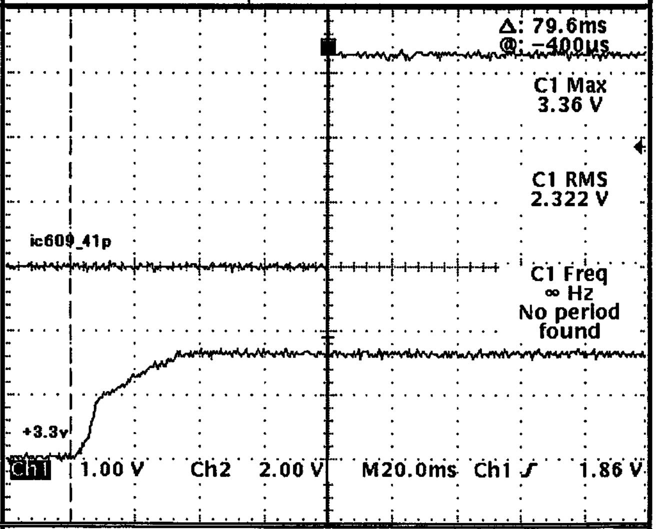
IC609 · 17 Pin		
No.164	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



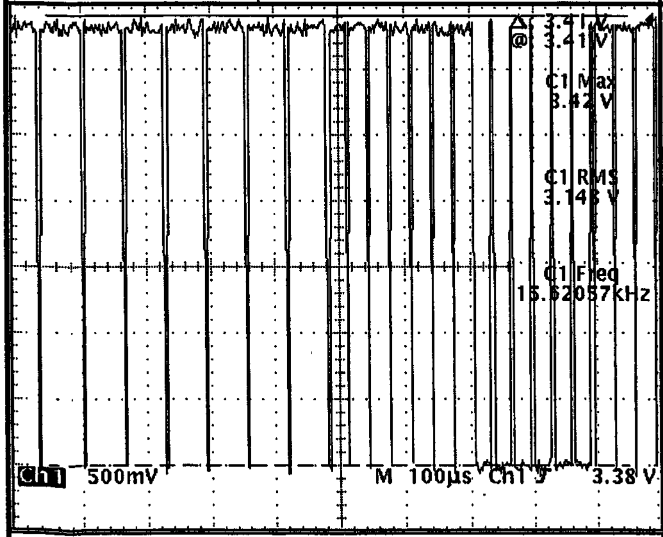
IC609 · 17 Pin		
No.165	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



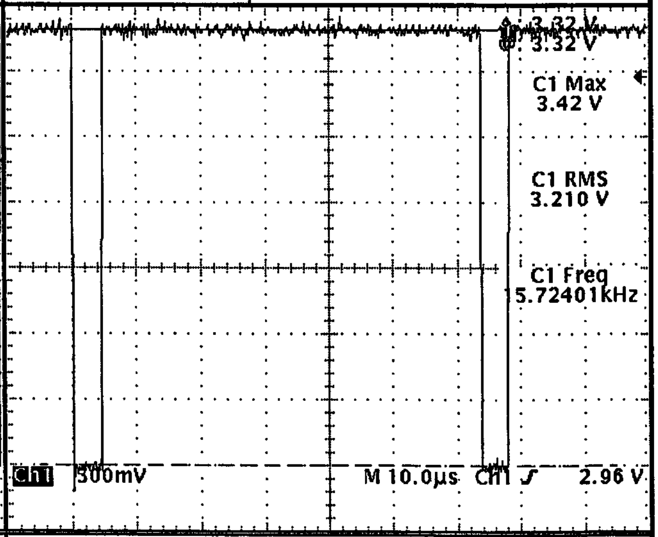
IC609 · 21 Pin		
No.166	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



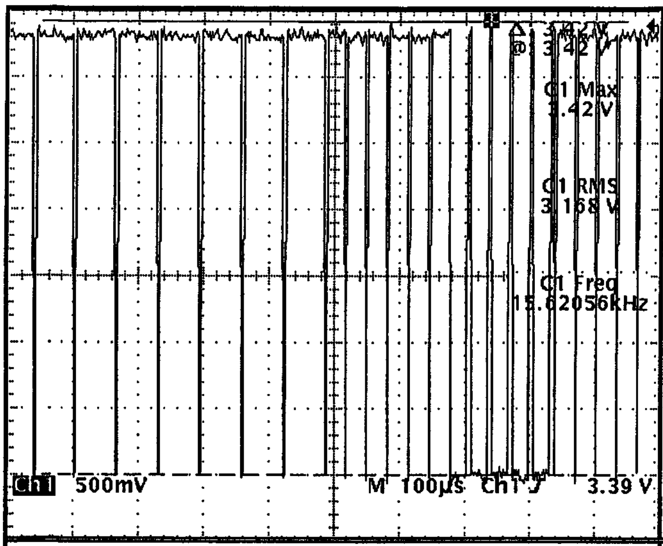
IC609 · 41 Pin		
No.167	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



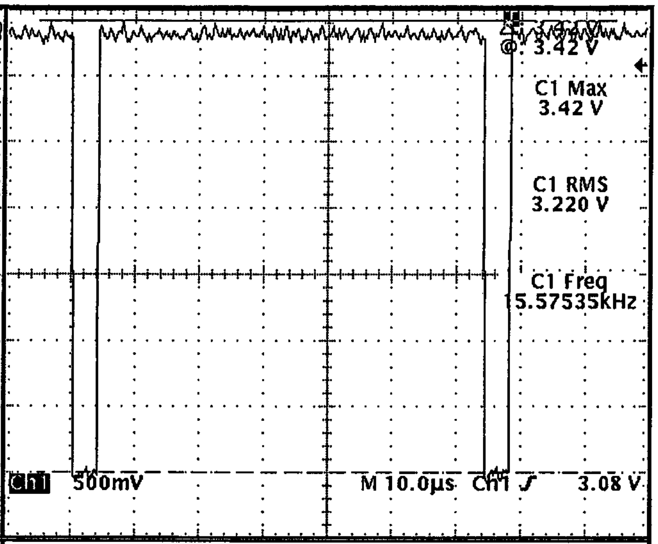
IC609 · 49 Pin		
No.168	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



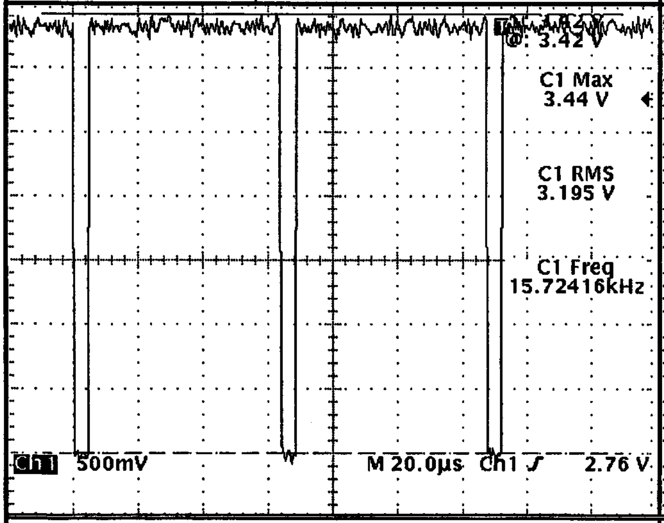
IC609 · 49 Pin		
No.169	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



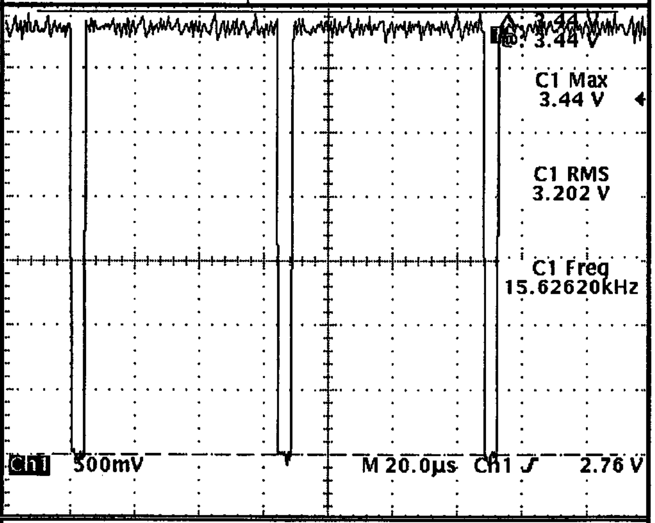
IC609	·	49 Pin
No.170	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



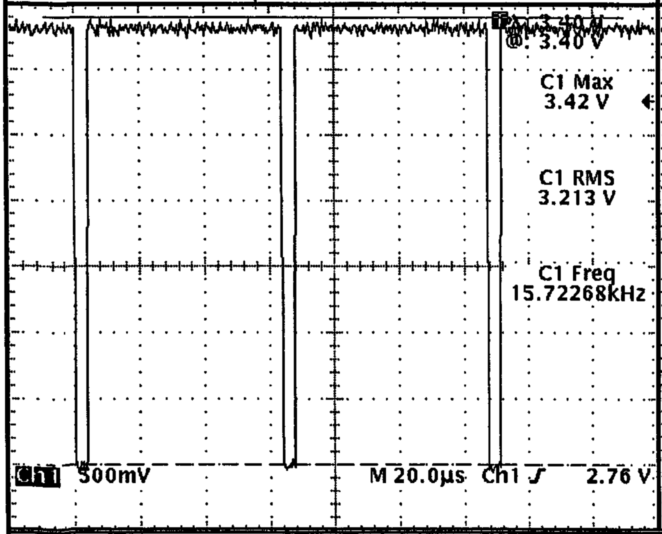
IC609	·	49 Pin
No.171	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



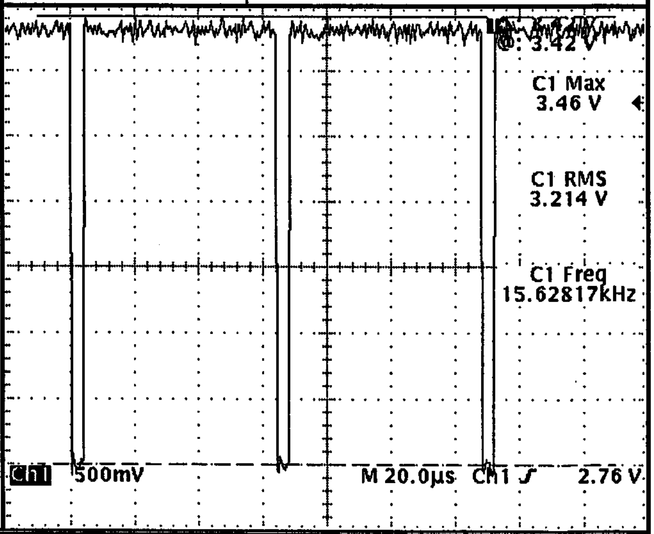
IC609	·	55 Pin
No.172	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



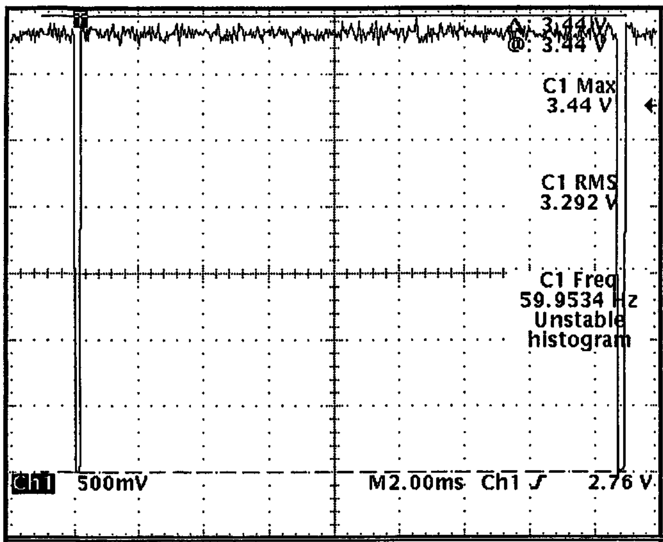
IC609	·	55 Pin
No.173	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



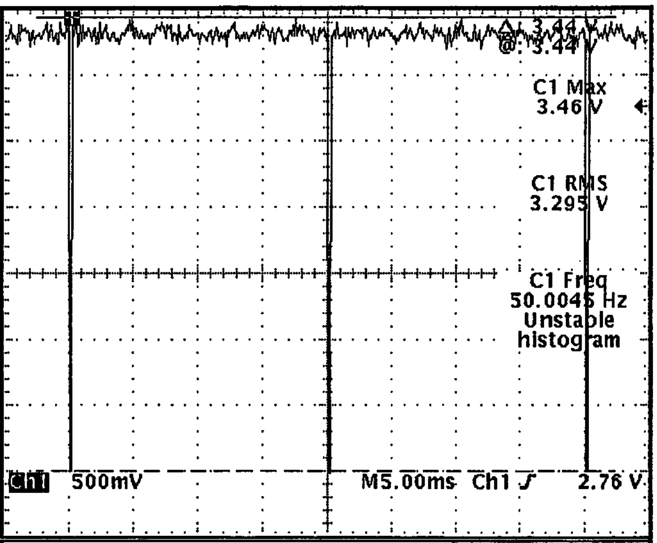
IC609	·	56 Pin
No.174	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



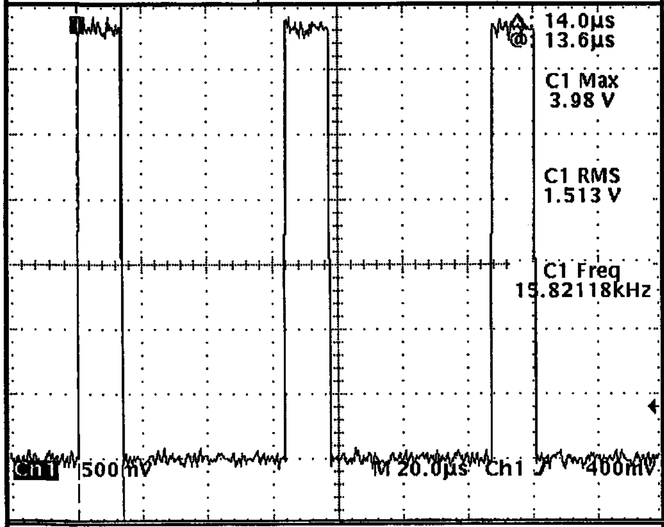
IC609	·	56 Pin
No.175	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



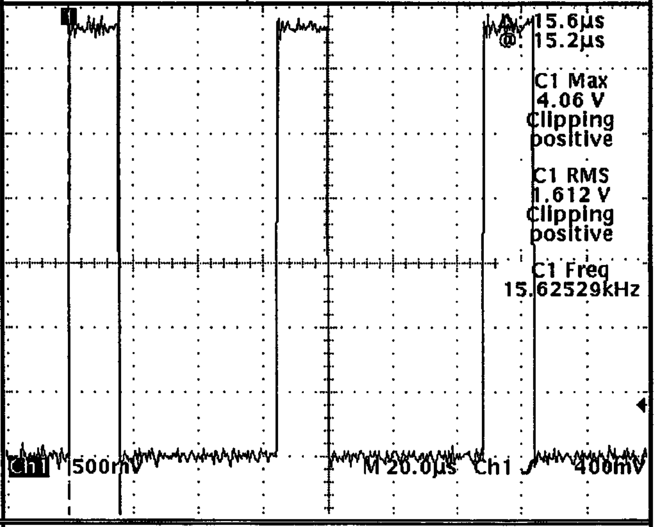
IC609 · 58 Pin		
No.176	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



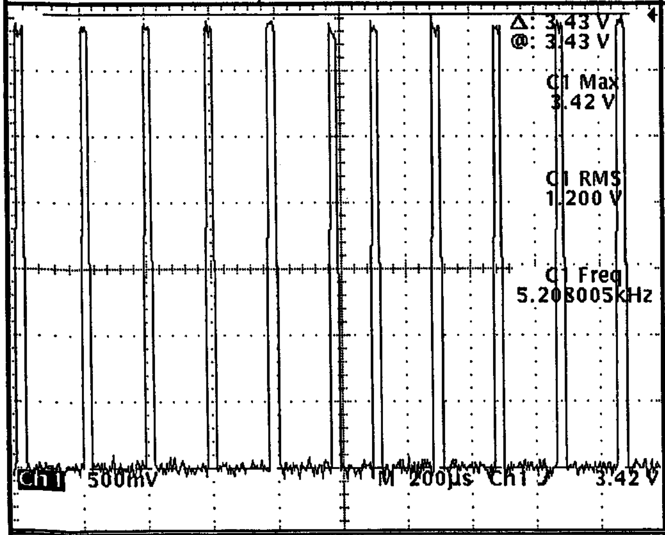
IC609 · 58 Pin		
No.177	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



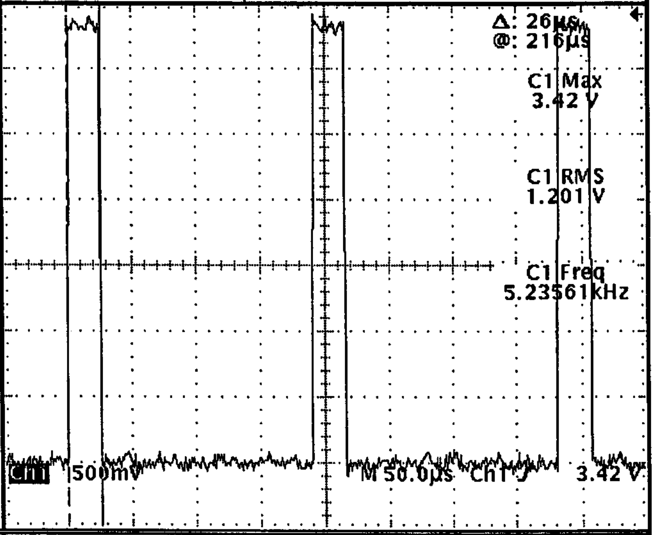
IC609 · 61 Pin		
No.178	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



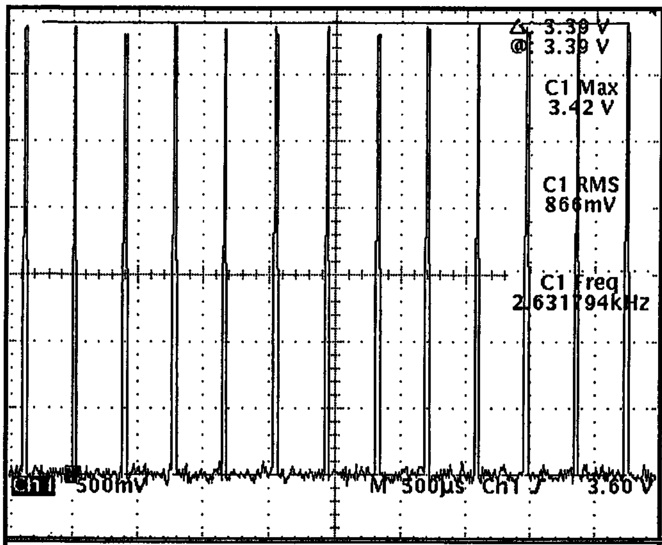
IC609 · 61 Pin		
No.179	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



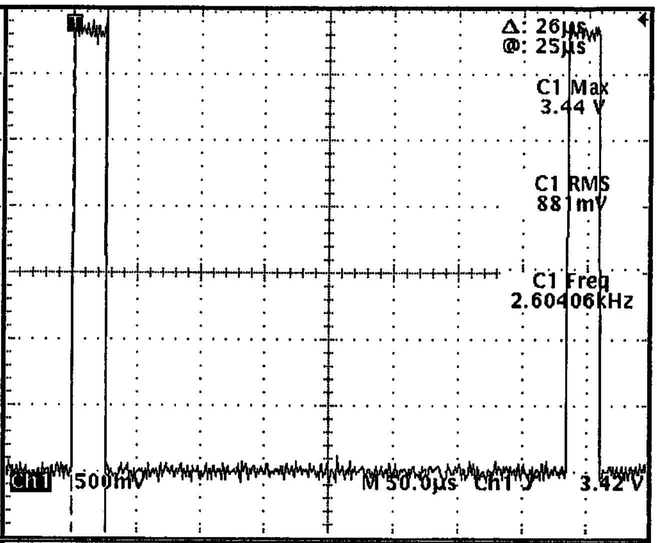
IC609 · 64 Pin		
No.180	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



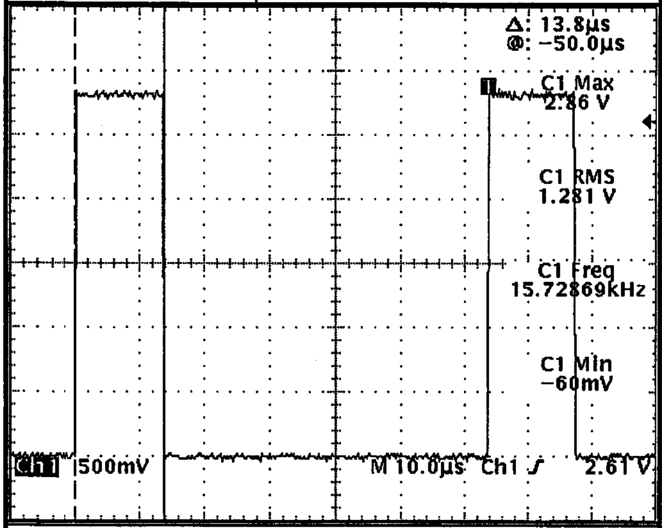
IC609 · 64 Pin		
No.181	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



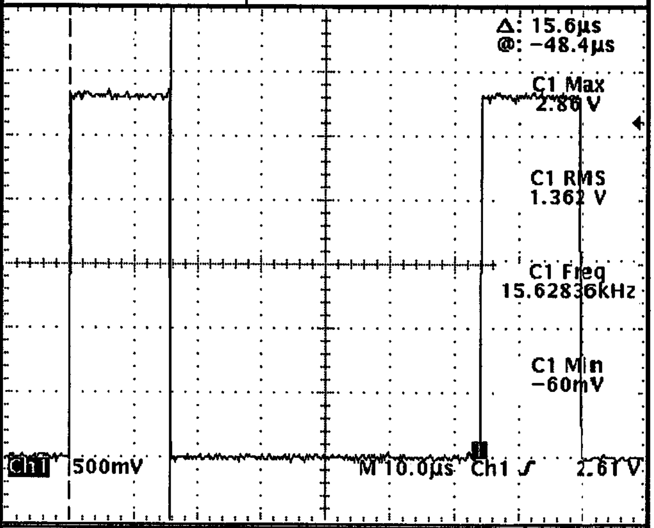
IC609 ·	64 Pin
No.182	Volt/Div= V/Div
DC · AC	Time/Div= S/Div



IC609 ·	64 Pin
No.183	Volt/Div= V/Div
DC · AC	Time/Div= S/Div



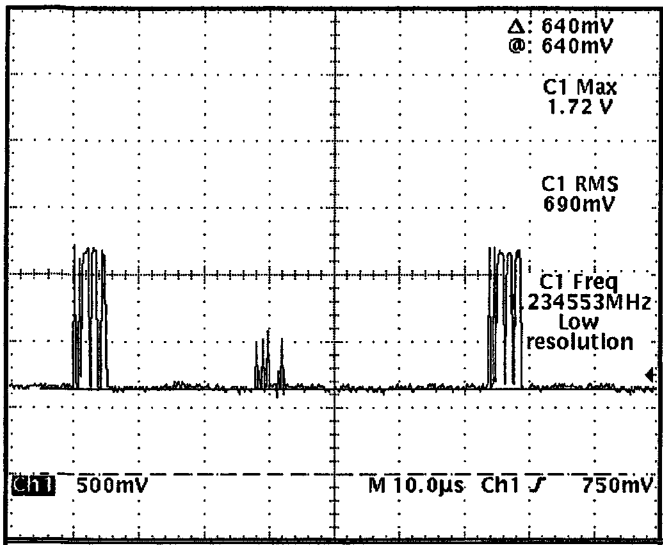
IC611 ·	2 Pin
No.184	Volt/Div= V/Div
DC · AC	Time/Div= S/Div



IC611 ·	2 Pin
No.185	Volt/Div= V/Div
DC · AC	Time/Div= S/Div

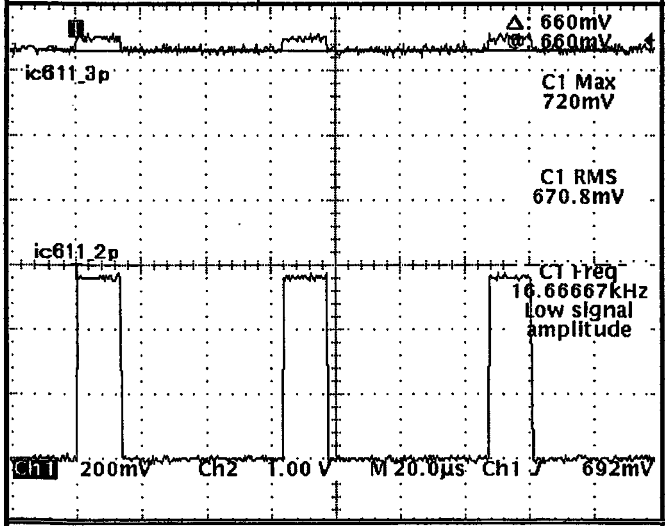
IC ·	Pin
No.	Volt/Div= V/Div
DC · AC	Time/Div= S/Div

IC ·	Pin
No.	Volt/Div= V/Div
DC · AC	Time/Div= S/Div

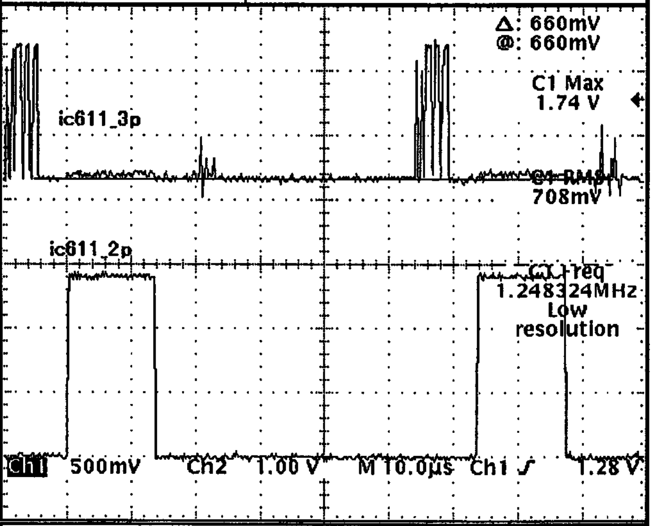


IC611 · 3 Pin		
No.186	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div

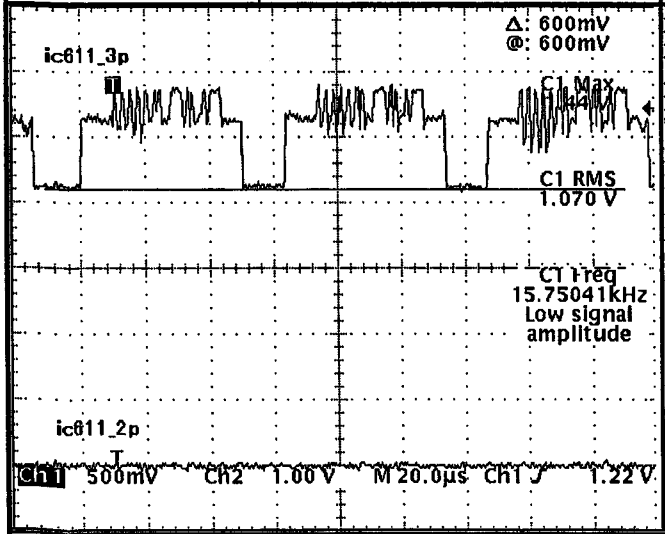
IC · Pin		
No.	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



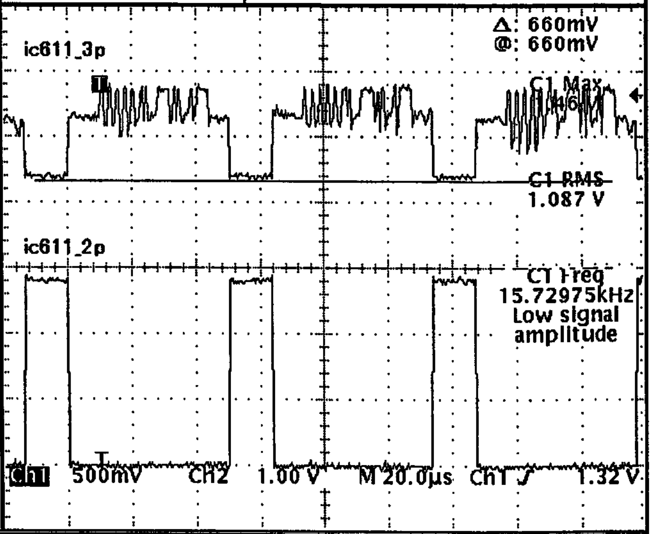
IC611 · 3 Pin		
No.187	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



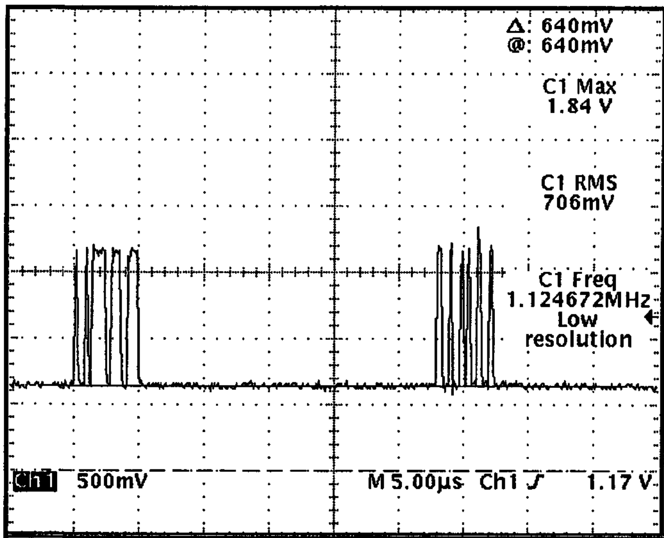
IC611 · 3 Pin		
No.188	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



IC611 · 3 Pin		
No.189	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div

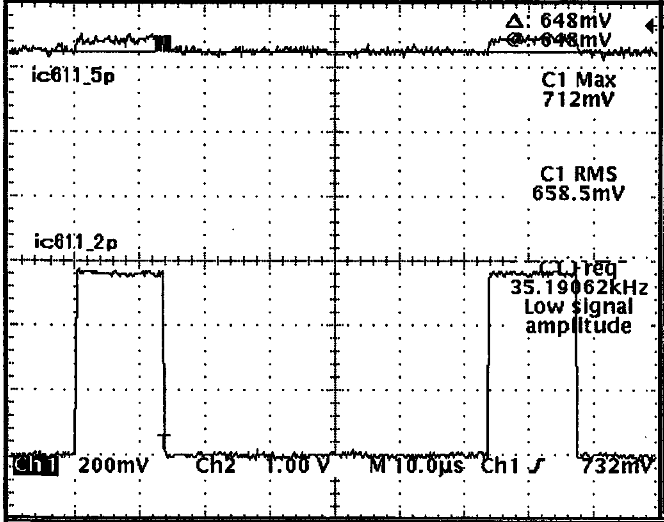


IC611 · 3 Pin		
No.190	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div

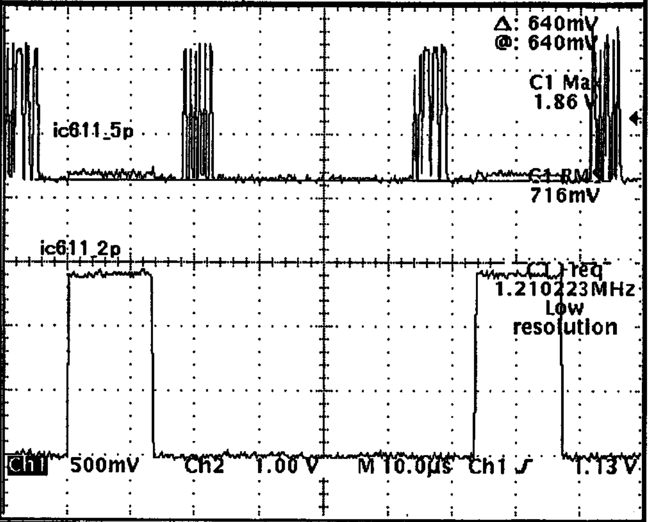


IC611 ·	5 Pin	
No.191	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div

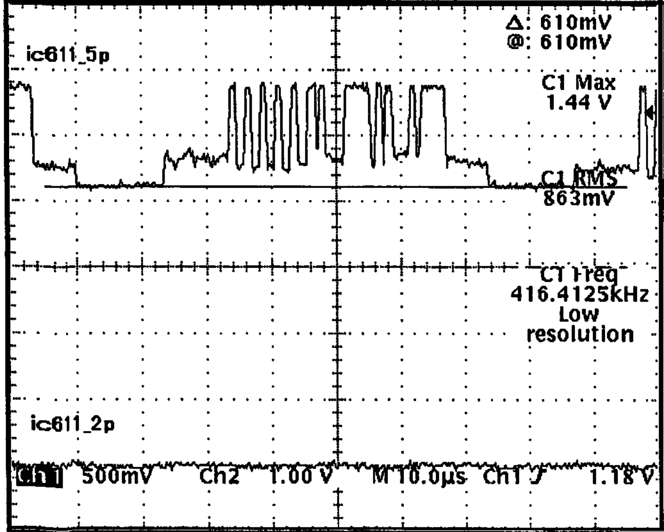
IC ·	Pin	
No.	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



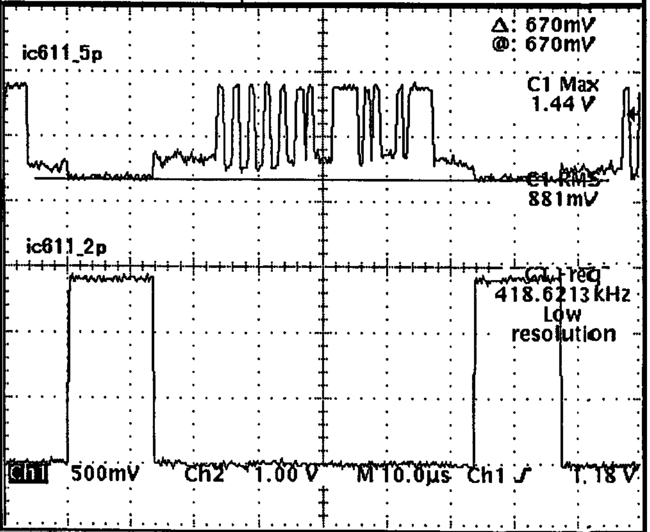
IC611 ·	5 Pin	
No.192	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



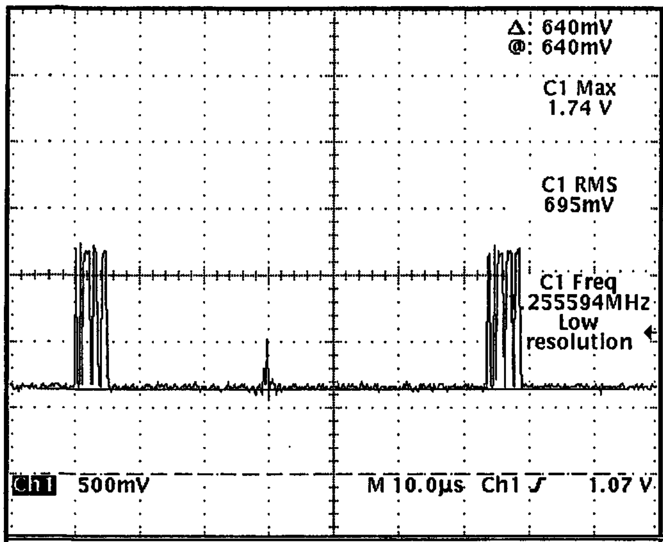
IC611 ·	5 Pin	
No.193	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



IC611 ·	5 Pin	
No.194	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div

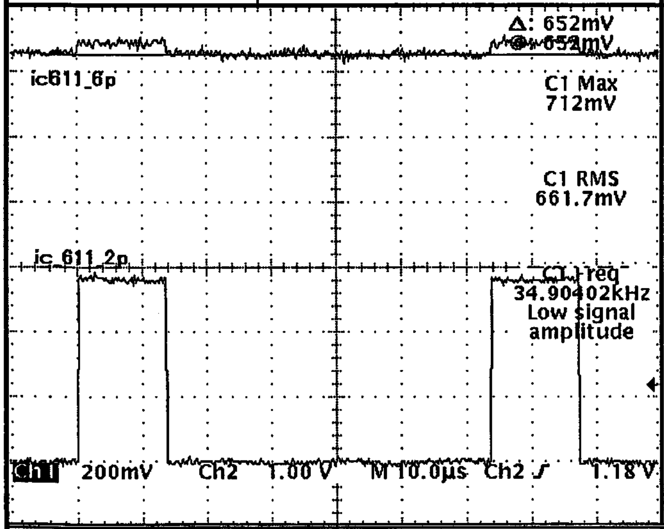


IC611 ·	5 Pin	
No.195	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div

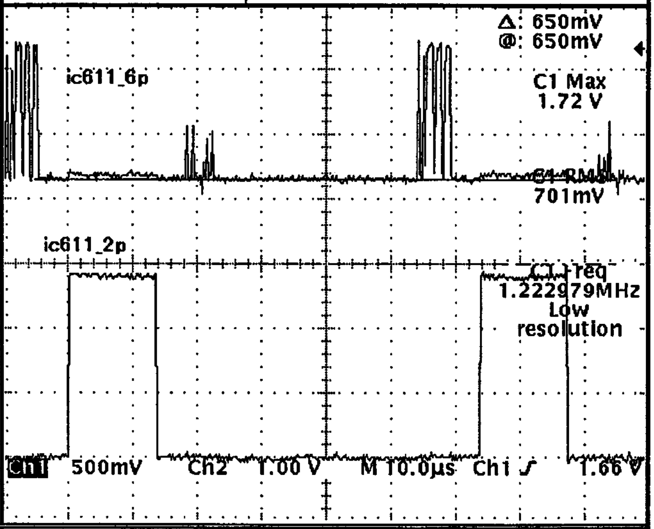


IC611 ·	6 Pin	
No.196	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div

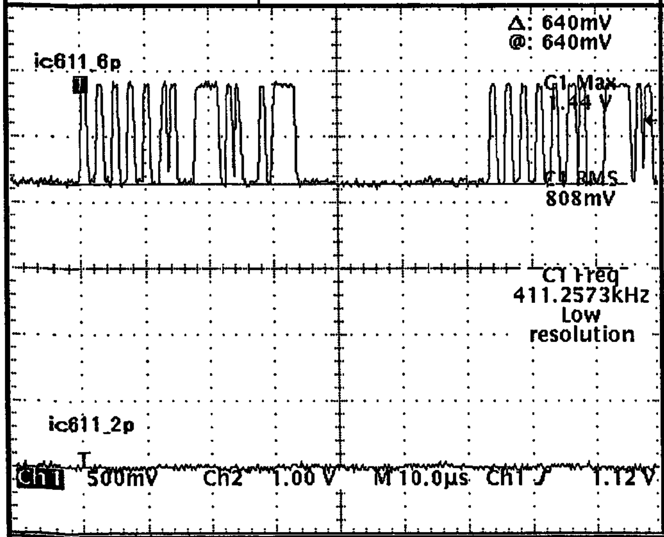
IC ·	Pin	
No.	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



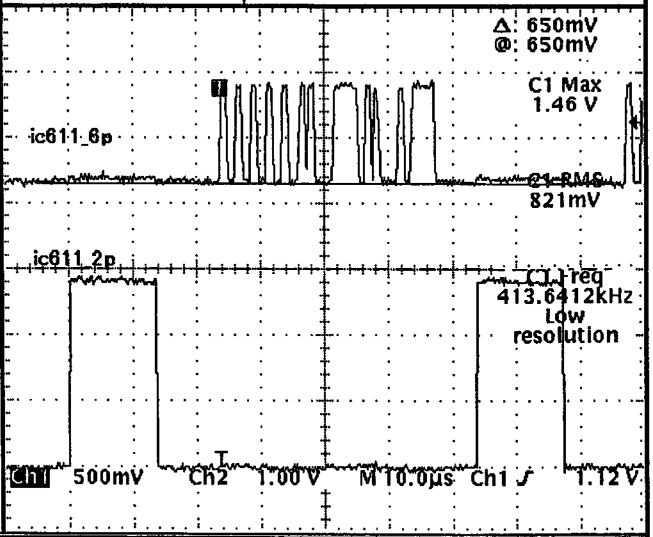
IC611 ·	6 Pin	
No.197	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



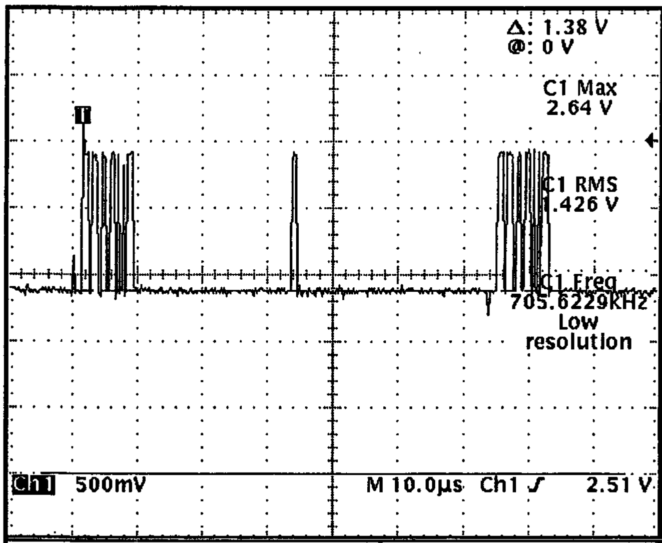
IC611 ·	6 Pin	
No.198	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



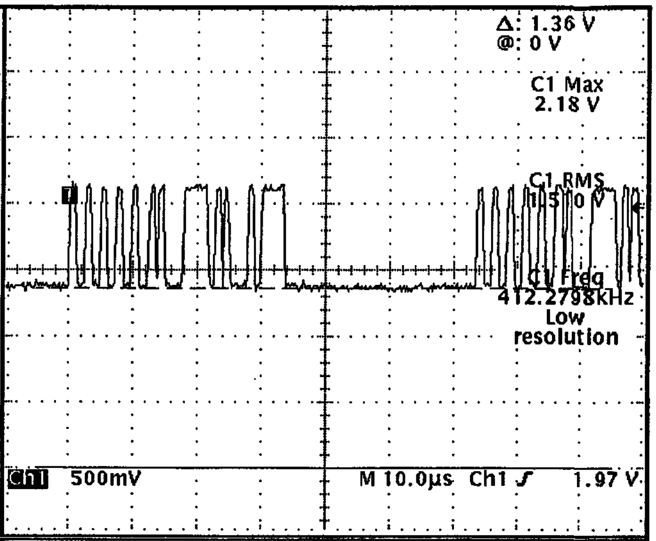
IC611 ·	6 Pin	
No.199	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



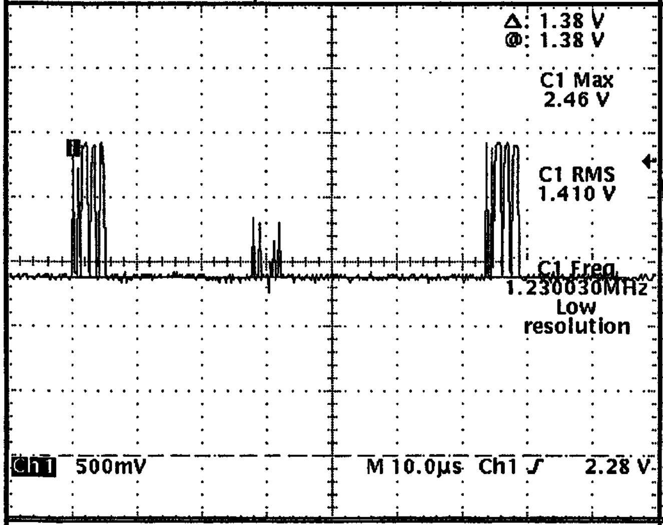
IC611 ·	6 Pin	
No.200	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



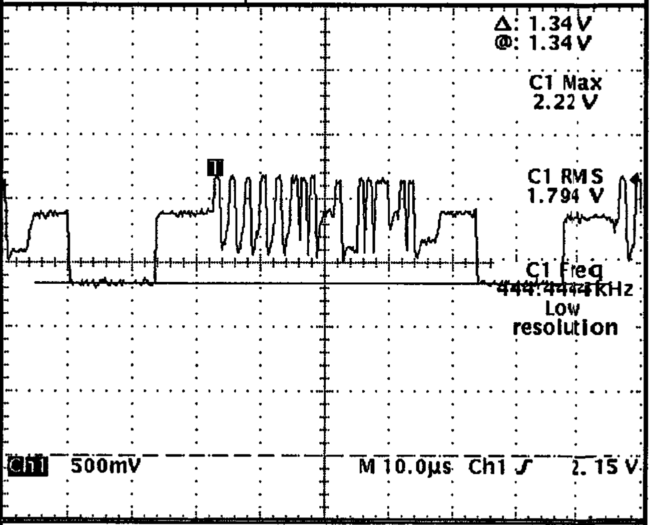
IC611 ·	8 Pin	
No.201	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



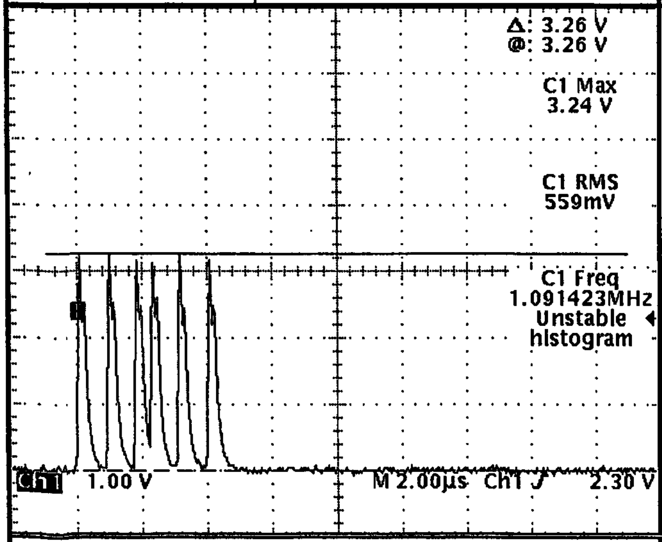
IC611 ·	8 Pin	
No.202	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



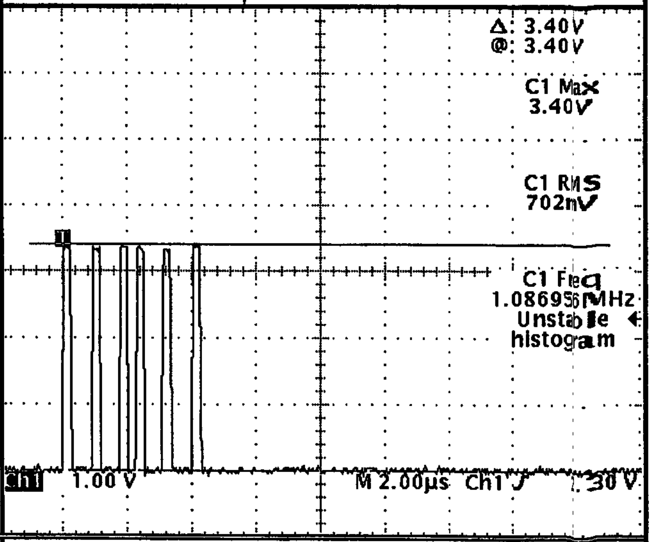
IC611 ·	16 Pin	
No.203	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



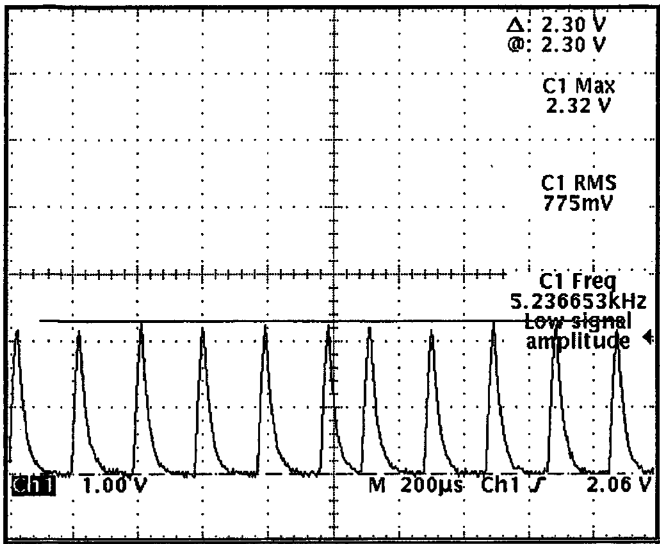
IC611 ·	16 Pin	
No.204	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



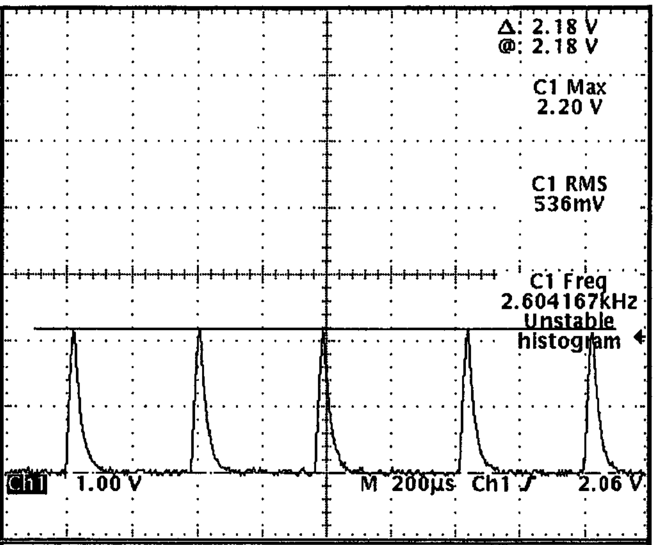
IC612 ·	2 Pin	
No.205	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



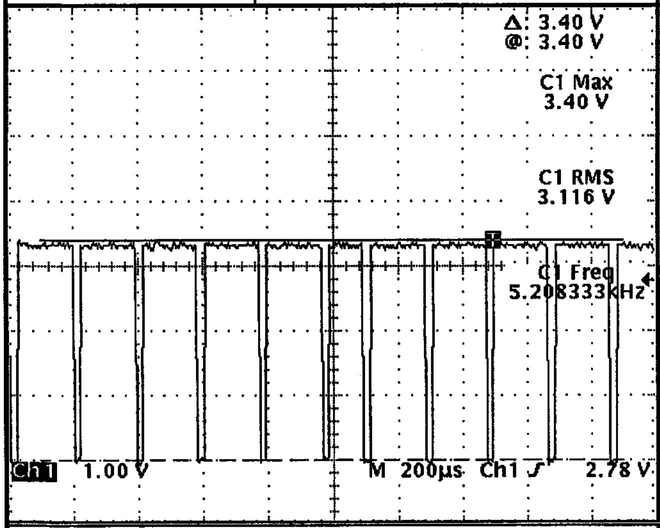
IC612 ·	4 Pin	
No.206	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



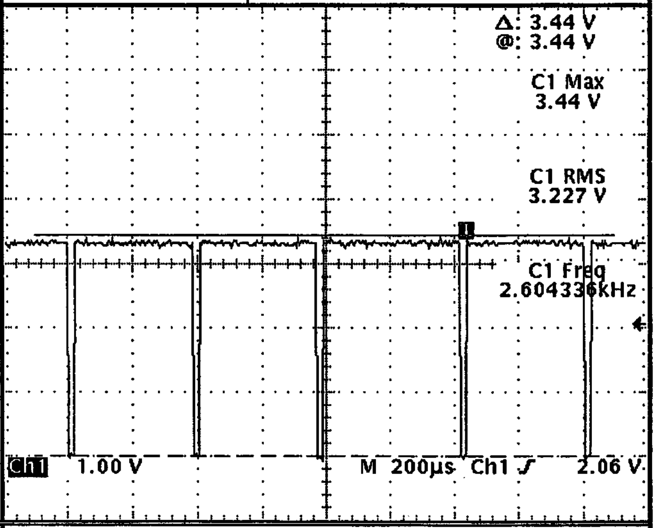
IC614 ·	2 Pin
No.207	Volt/Div= V/Div
DC · AC	Time/Div= S/Div



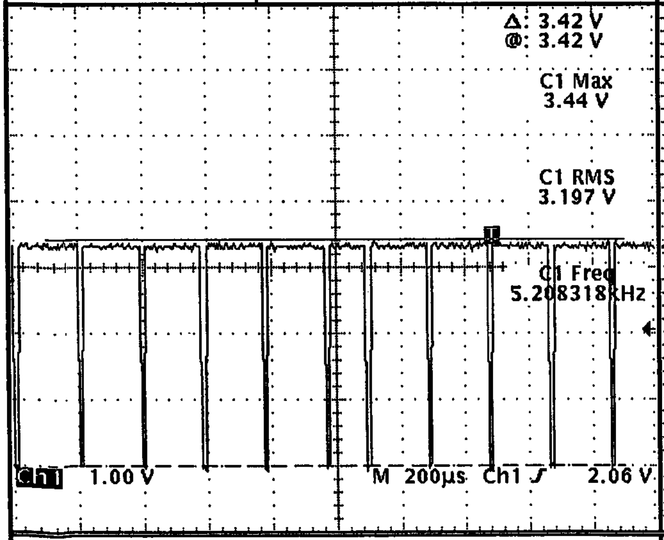
IC614 ·	2 Pin
No.208	Volt/Div= V/Div
DC · AC	Time/Div= S/Div



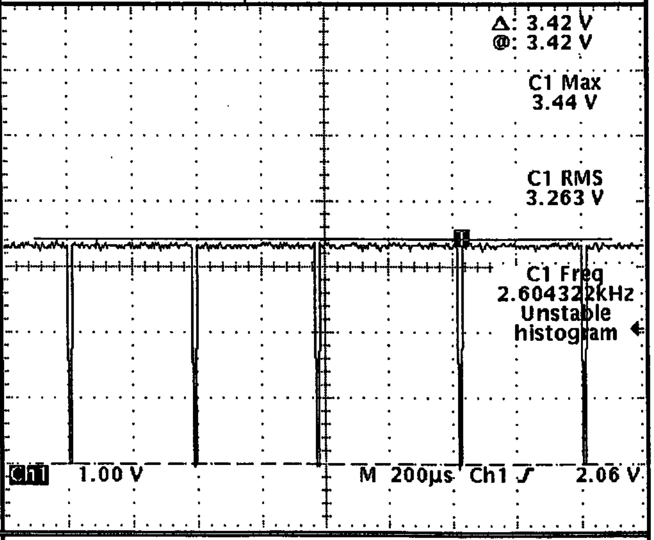
IC614 ·	3 Pin
No.209	Volt/Div= V/Div
DC · AC	Time/Div= S/Div



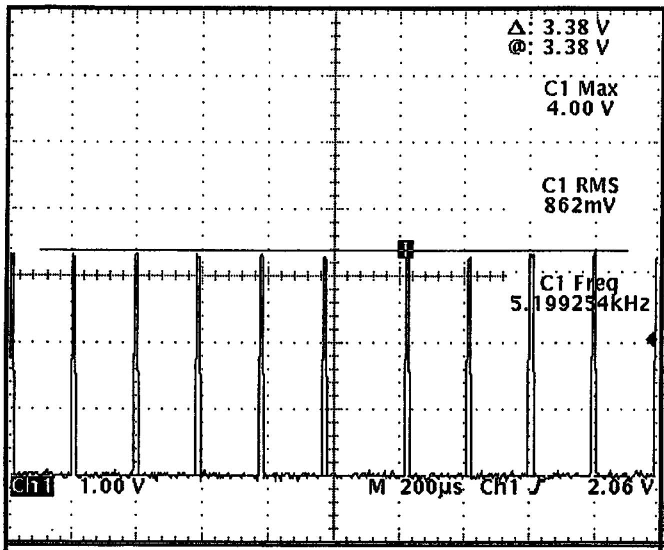
IC614 ·	3 Pin
No.210	Volt/Div= V/Div
DC · AC	Time/Div= S/Div



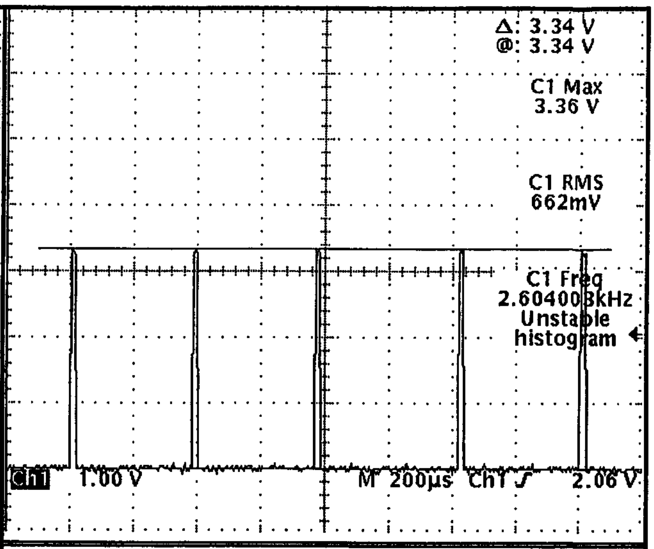
IC614 ·	6 Pin
No.211	Volt/Div= V/Div
DC · AC	Time/Div= S/Div



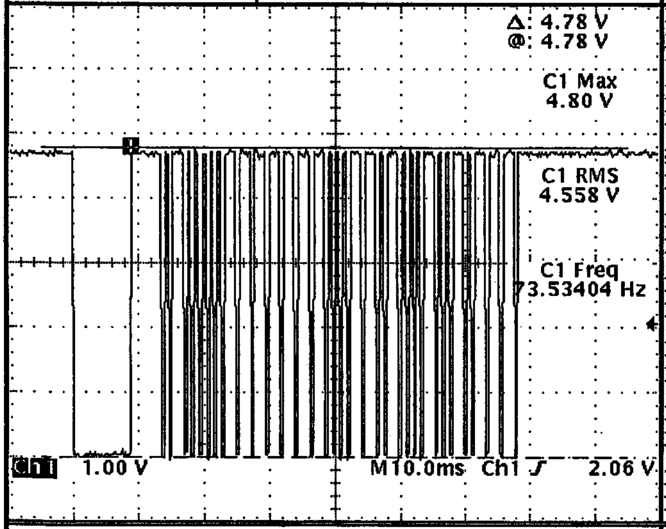
IC614 ·	6 Pin
No.212	Volt/Div= V/Div
DC · AC	Time/Div= S/Div



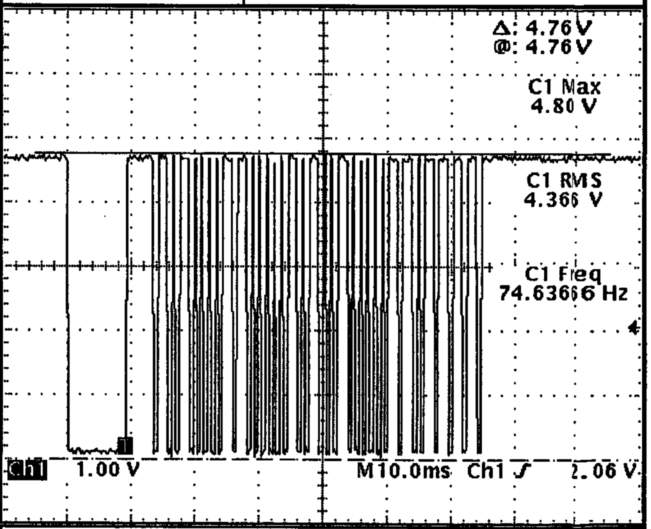
IC614 · 11 Pin		
No.213	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



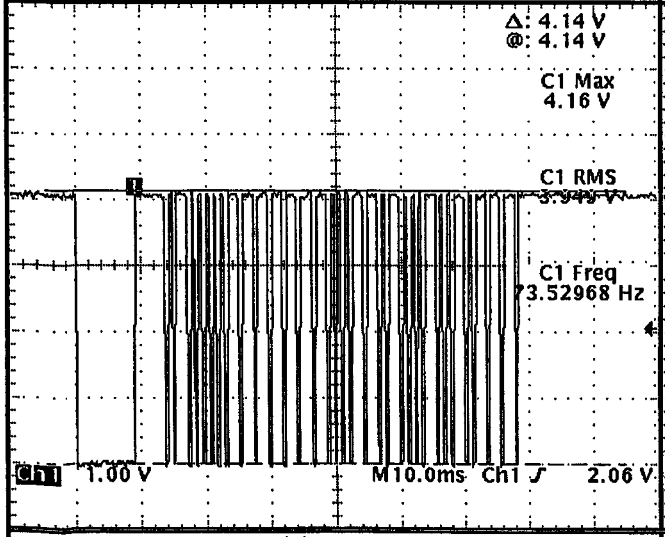
IC614 · 11 Pin		
No.214	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



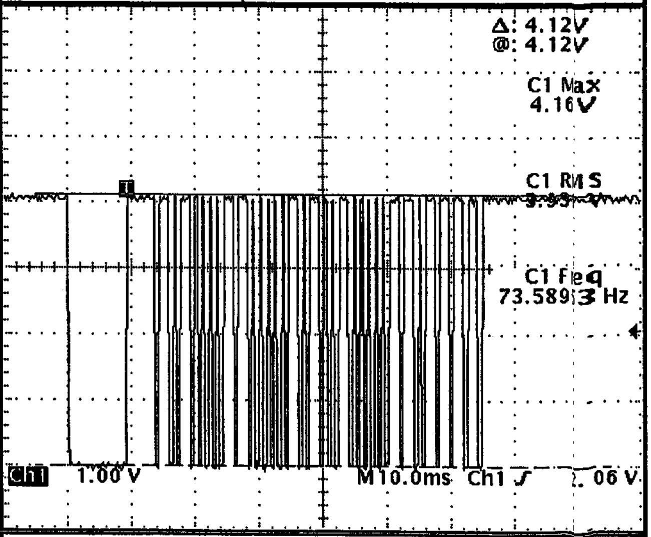
Q400 · 1 Pin(B)		
No.215	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



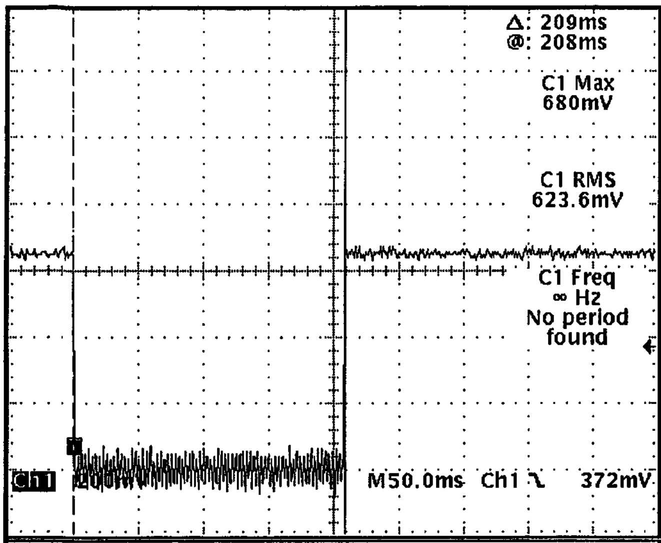
Q400 · 1 Pin(B)		
No.216	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



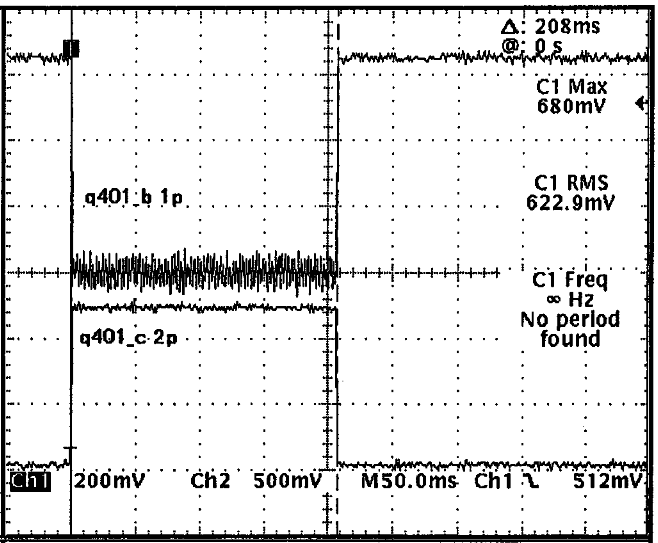
Q400 · 2 Pin(E)		
No.217	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



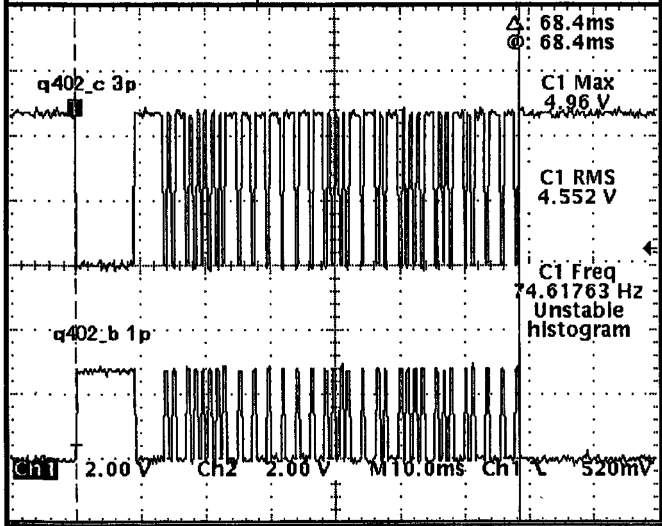
Q400 · 2 Pin(E)		
No.218	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



Q401 · 1 Pin(B)		
No.219	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



Q401 · 1 Pin(B)		
No.220	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



Q402 · 3 Pin(C)		
No.221	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div

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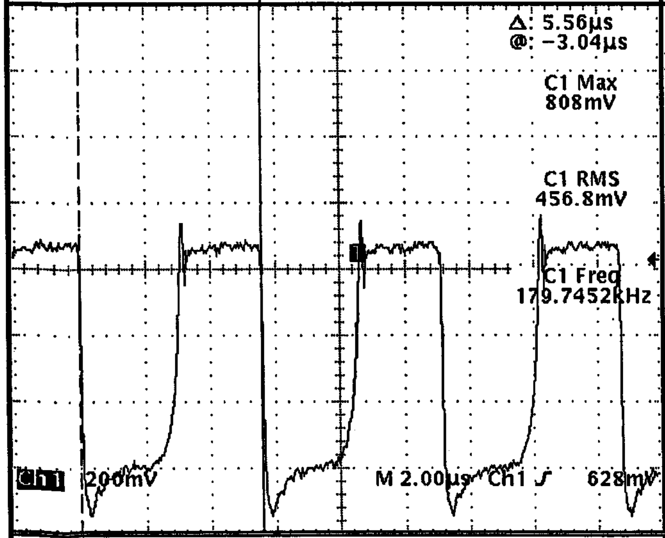
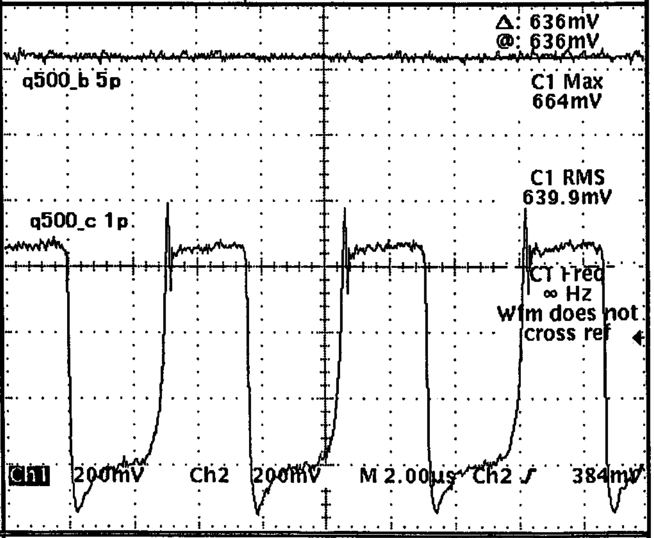
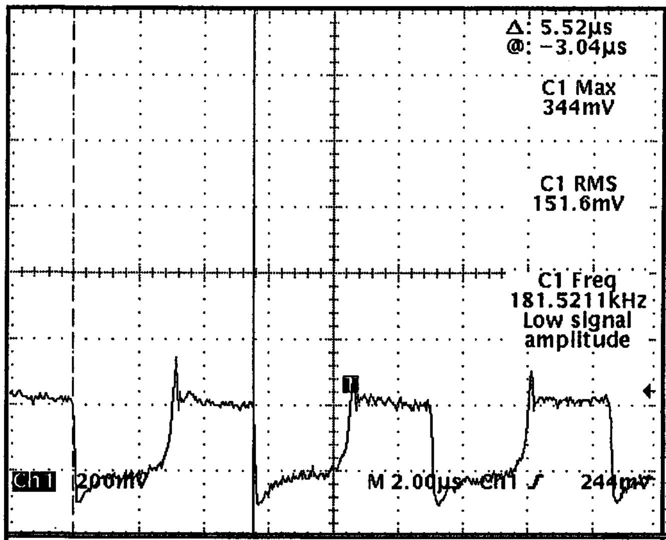
No.	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



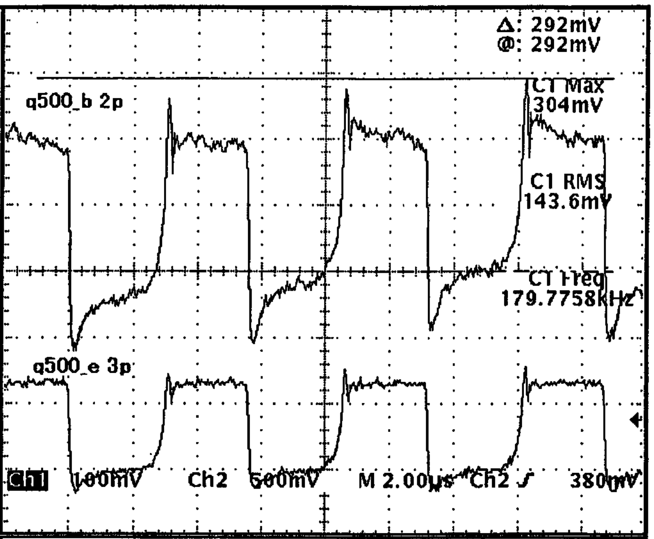
Q500 · 1 Pin(C)		
No.222	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



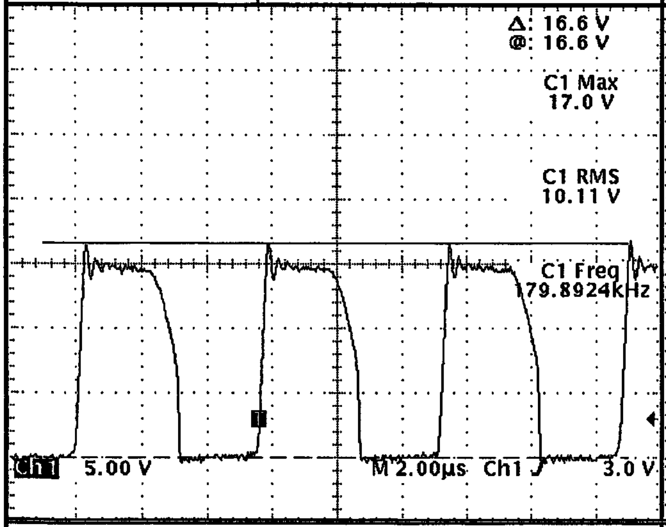
Q500 · 1 Pin(C)		
No.223	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



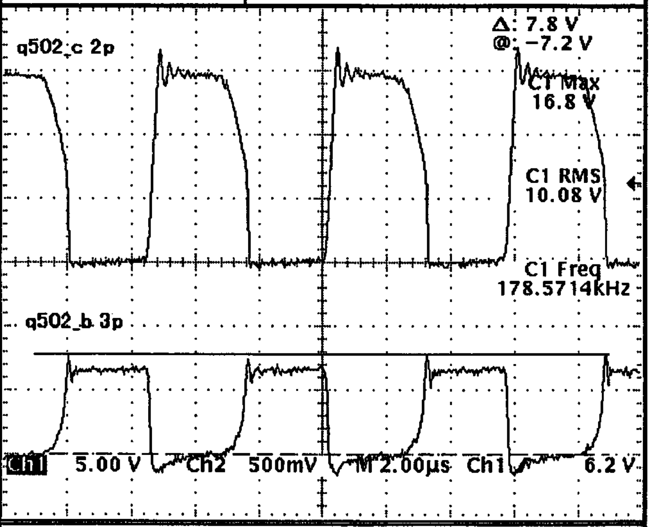
Q500 · 2 Pin(B)		
No.224	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



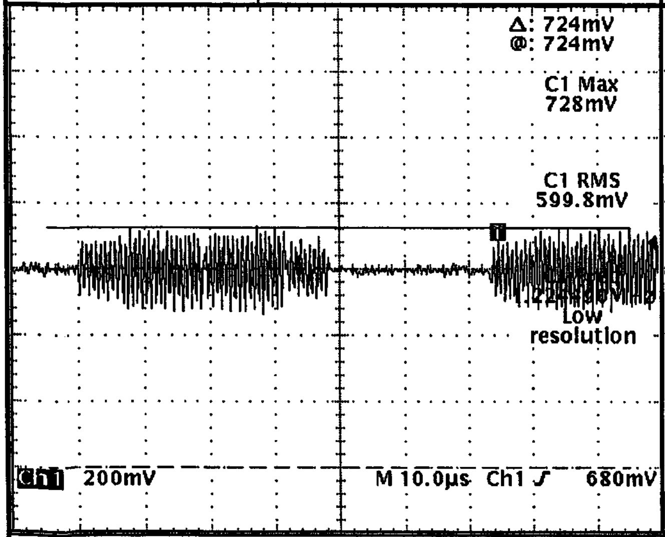
Q500 · 2 Pin(B)		
No.225	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



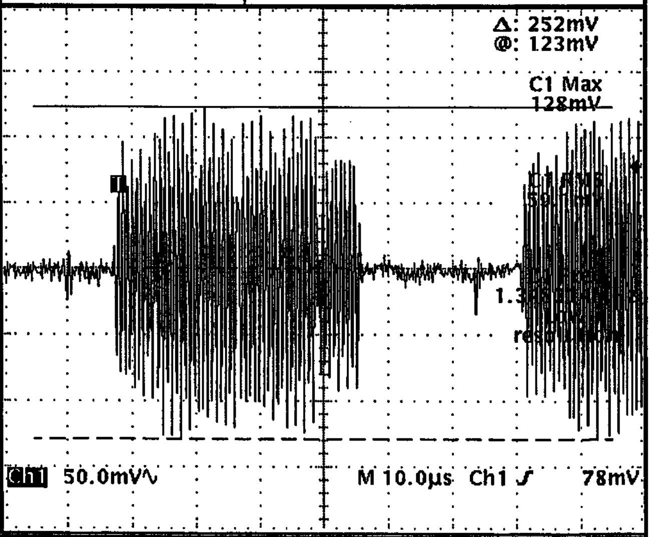
Q502 · 2 Pin(C)		
No.226	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



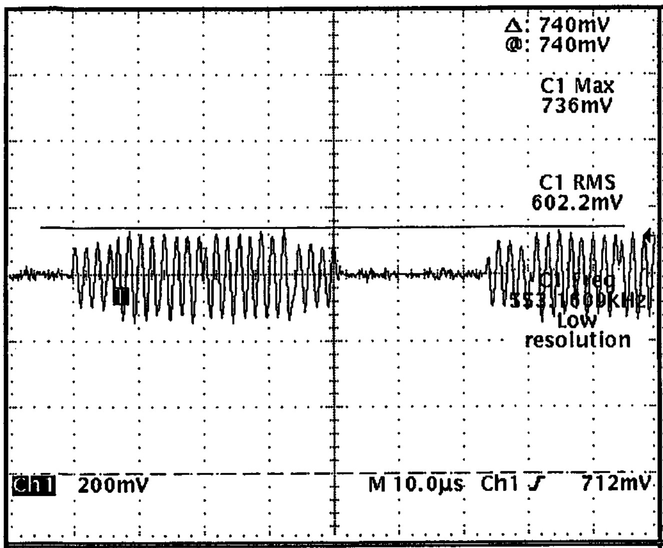
Q502 · 2 Pin(C)		
No.227	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



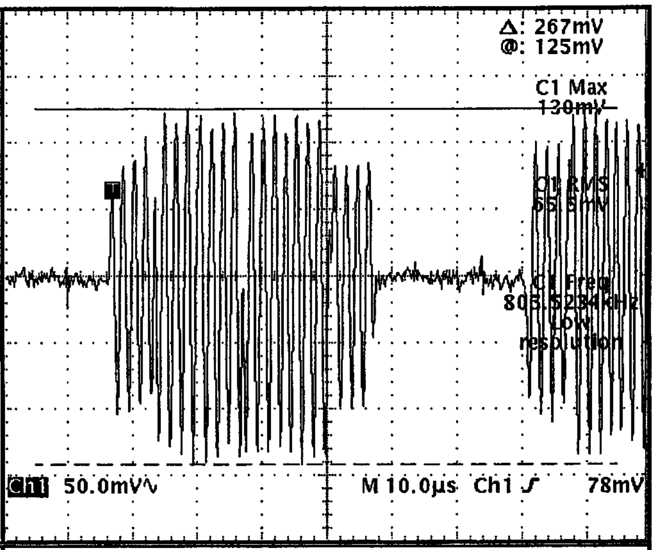
Q601 · 1 Pin(B)		
No.228	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



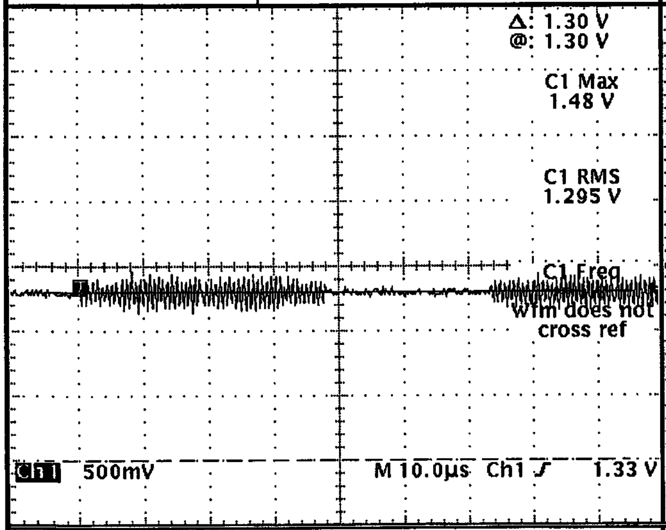
Q601 · 1 Pin(B)		
No.229	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



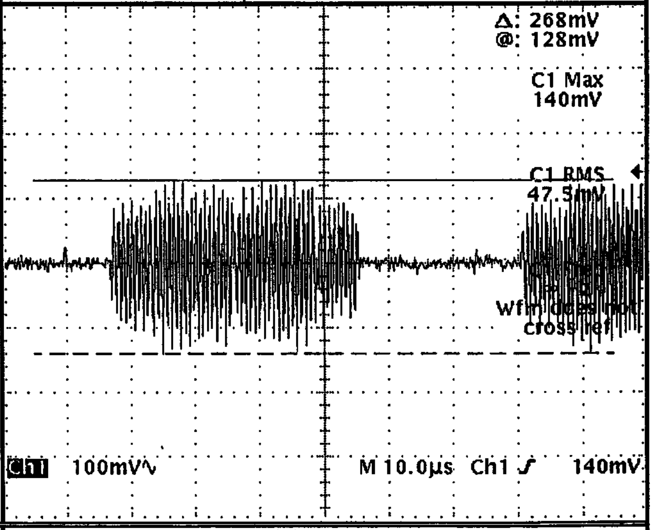
Q601 · 1 Pin(B)		
No.230	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



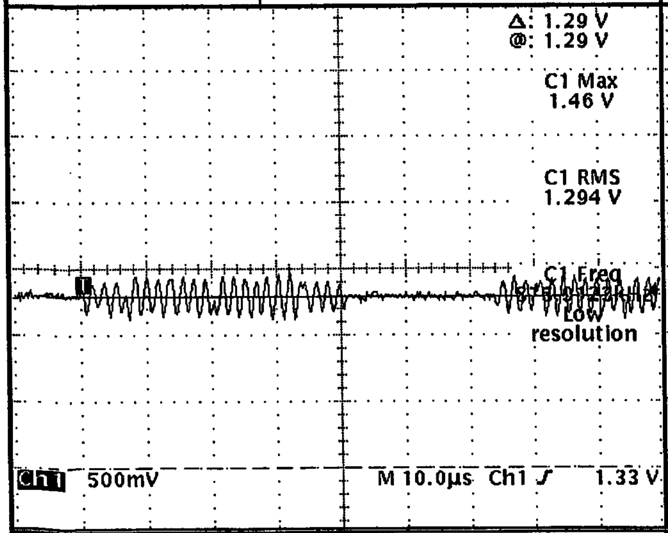
Q601 · 1 Pin(B)		
No.231	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



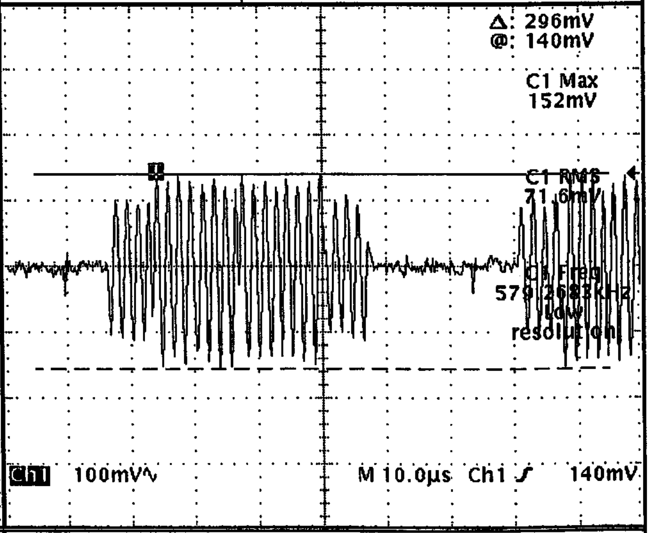
Q601 · 2 Pin(E)		
No.232	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



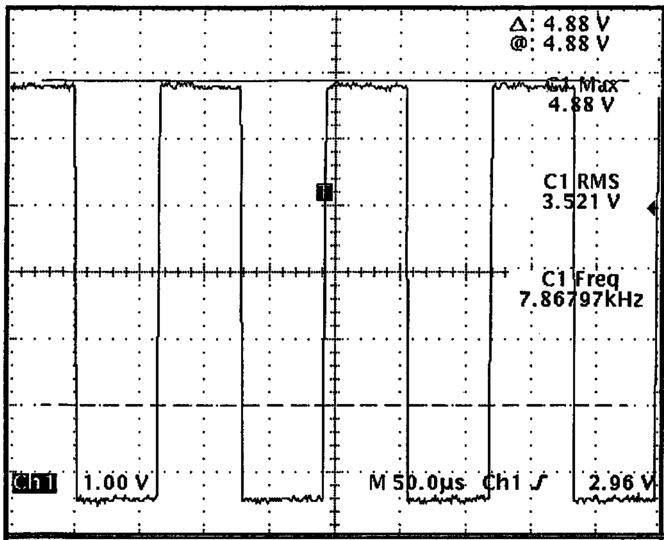
Q601 · 2 Pin(E)		
No.233	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



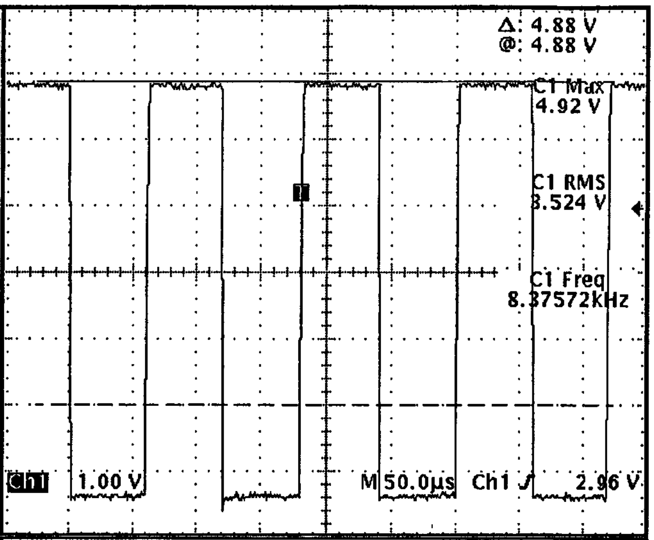
Q601 · 2 Pin(E)		
No.234	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



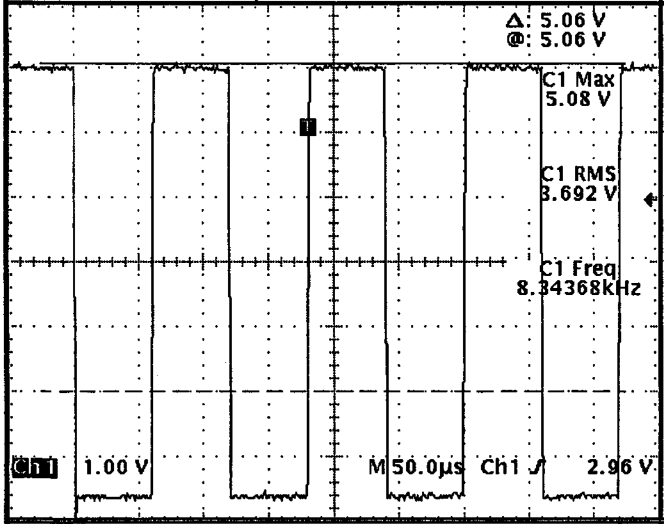
Q601 · 2 Pin(E)		
No.235	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



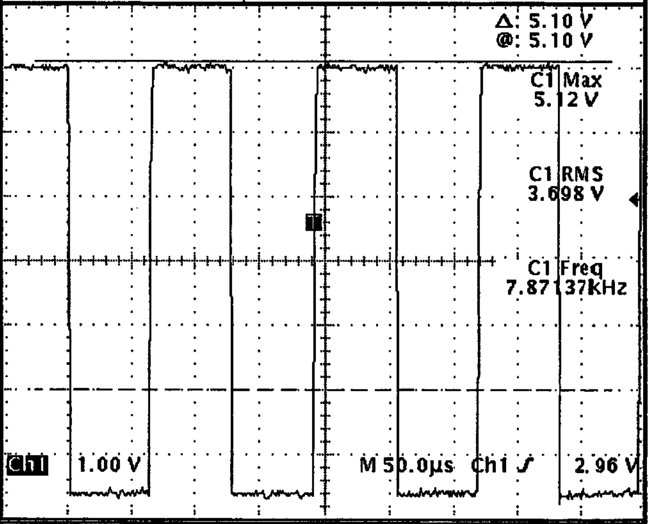
Q603 ·	3 Pin(E)	
No.236	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



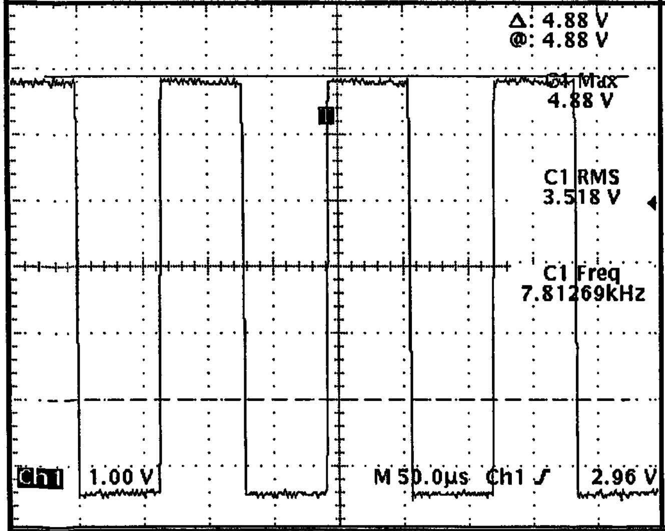
Q603 ·	3 Pin(E)	
No.237	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



Q603 ·	3 Pin(E)	
No.238	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



Q603 ·	3 Pin(E)	
No.239	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



Q603 ·	3 Pin(E)	
No.240	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div

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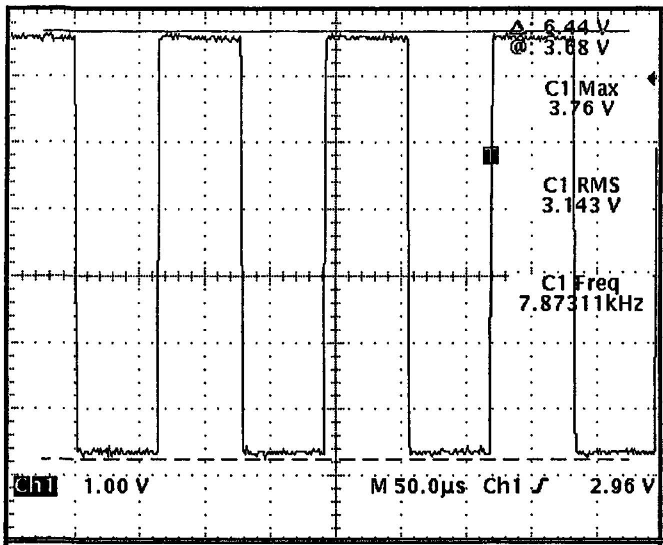
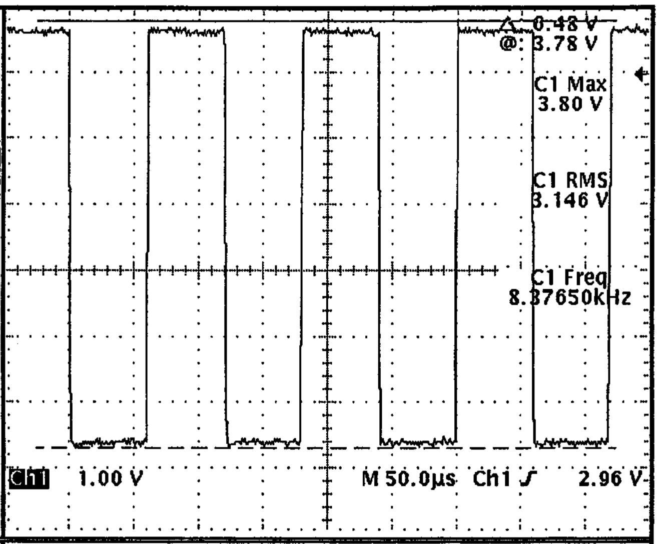
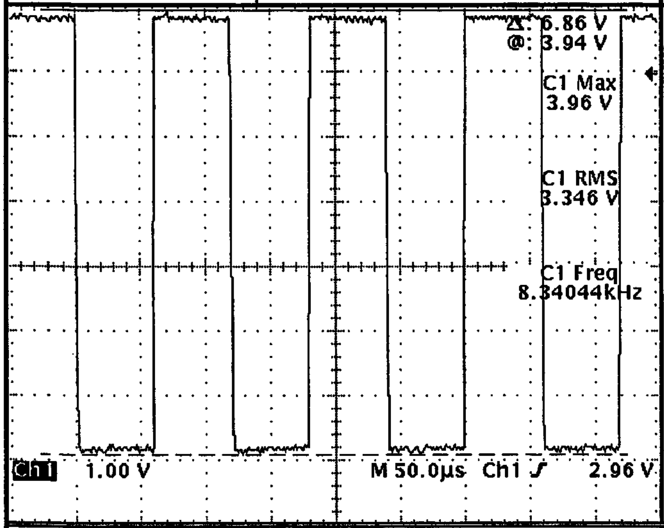
No.	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



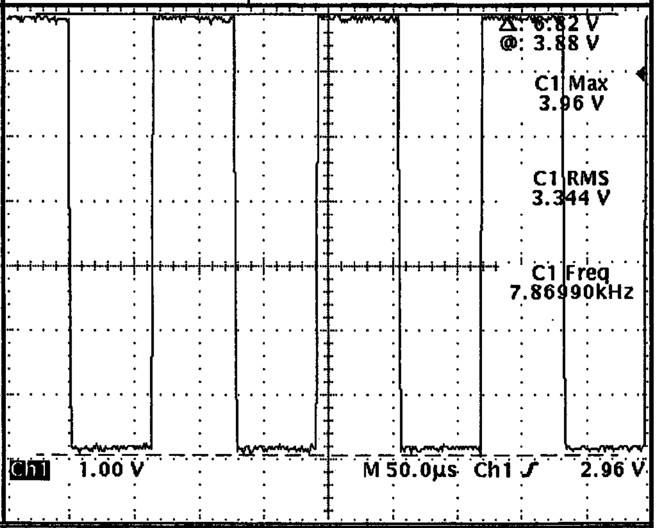
Q603 · 6 Pin(E)		
No.241	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



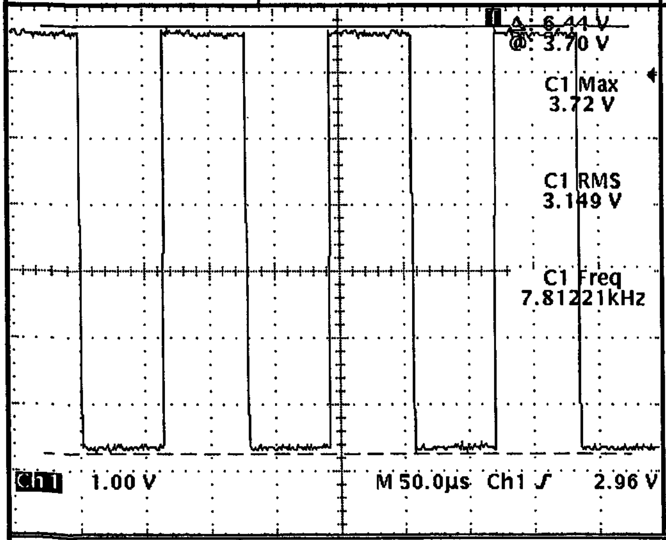
Q603 · 6 Pin(E)		
No.242	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



Q603 · 6 Pin(E)		
No.243	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



Q603 · 6 Pin(E)		
No.244	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



Q603 · 6 Pin(E)		
No.245	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div

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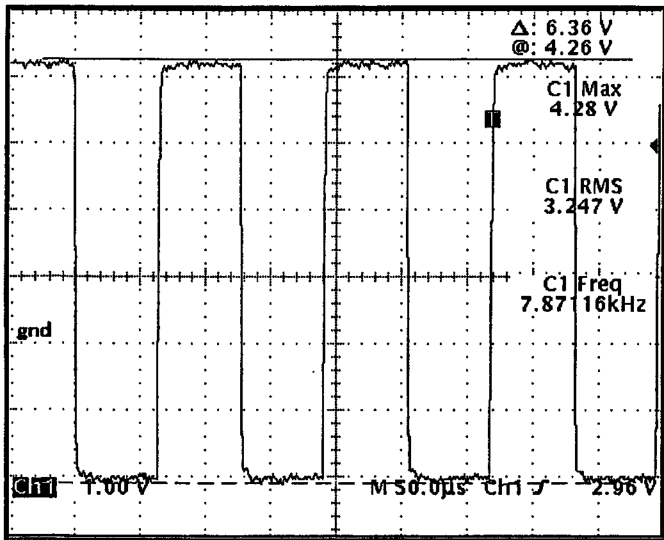
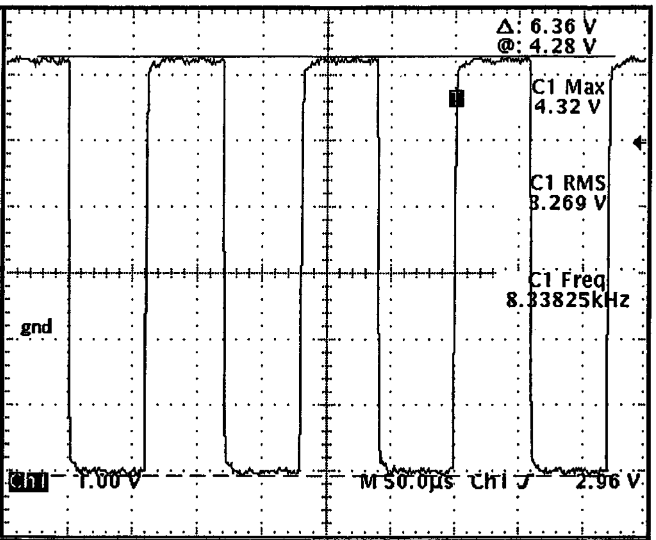
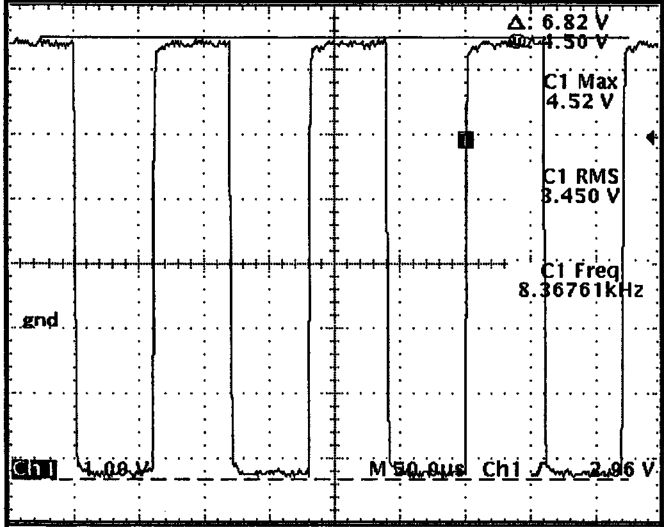
No.	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



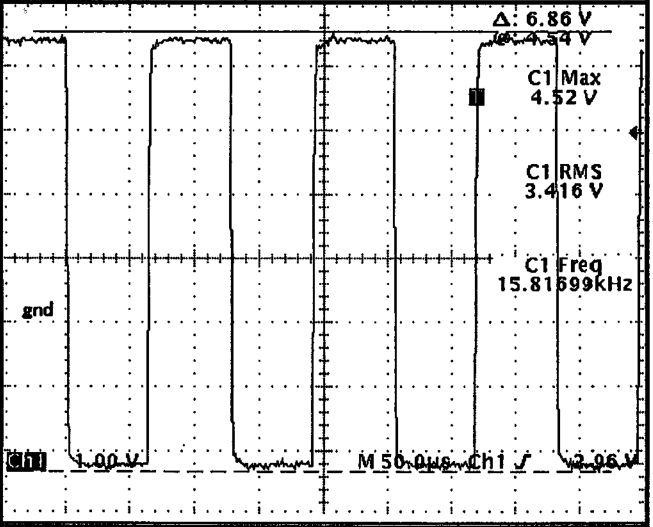
Q604 · 2 Pin(E)		
No.246	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



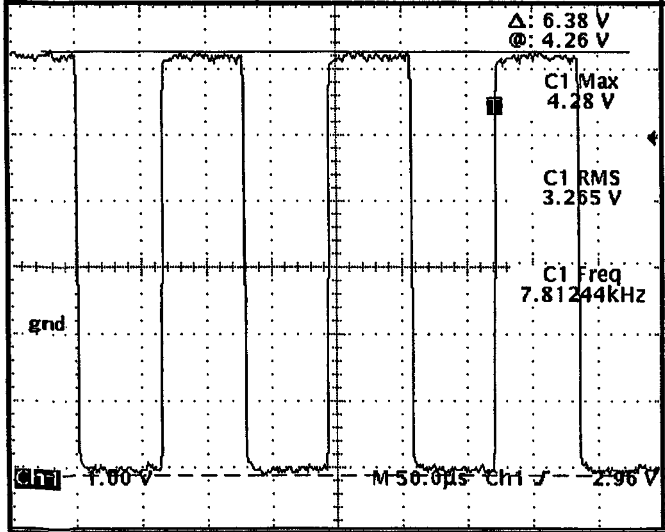
Q604 · 2 Pin(E)		
No.247	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



Q604 · 2 Pin(E)		
No.248	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div

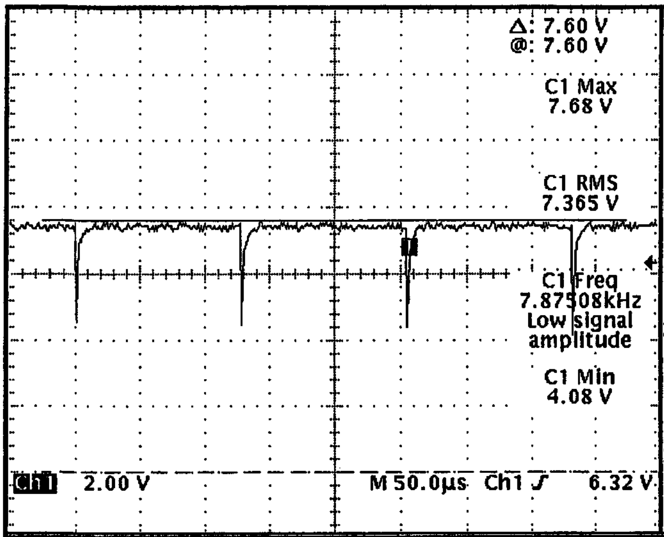


Q604 · 2 Pin(E)		
No.249	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div

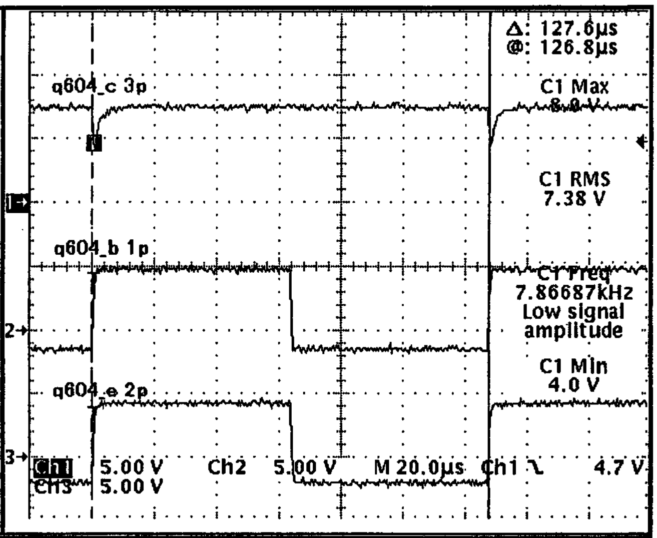


Q604 · 2 Pin(E)		
No.250	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div

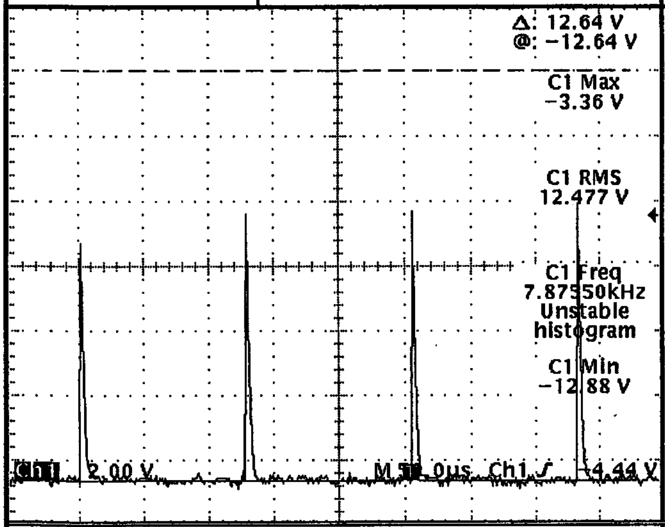
·		
No.	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



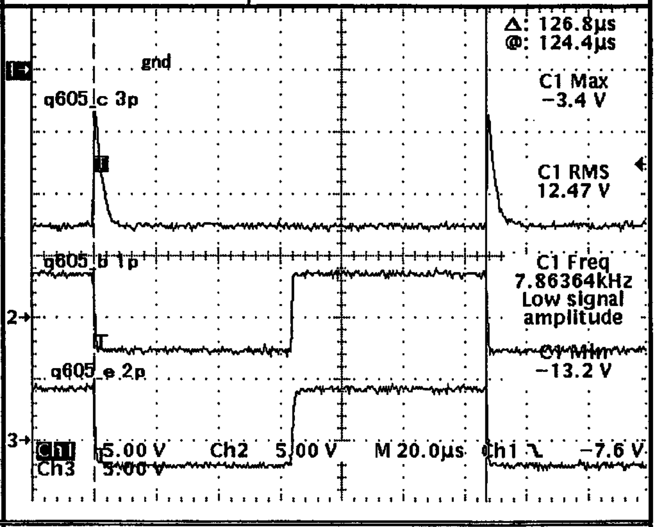
Q604 · 3 Pin(C)		
No.251	Volt/Div=	V/Div
DC・AC	Time/Div=	S/Div



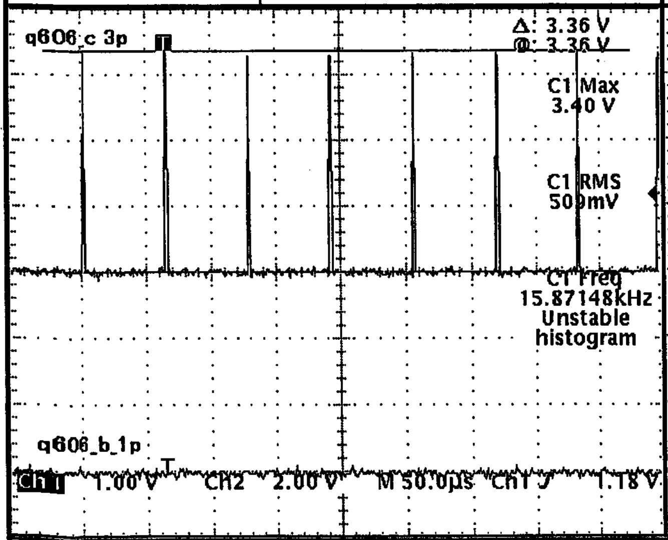
Q604 · 3 Pin(C)		
No.252	Volt/Div=	V/Div
DC・AC	Time/Div=	S/Div



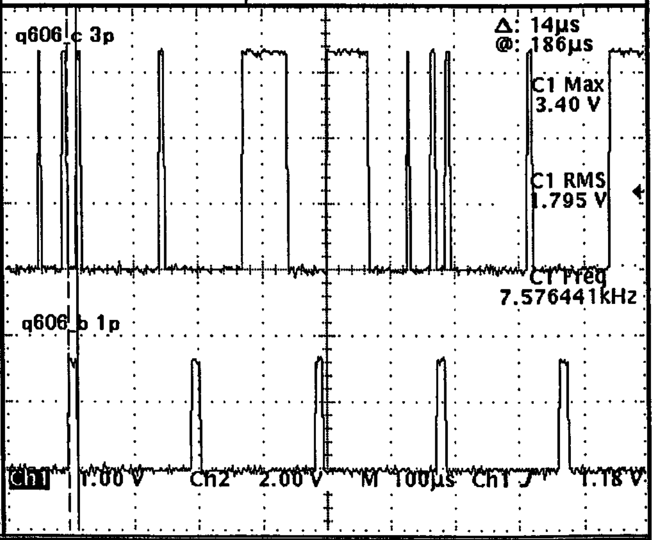
Q605 · 3 Pin(C)		
No.253	Volt/Div=	V/Div
DC・AC	Time/Div=	S/Div



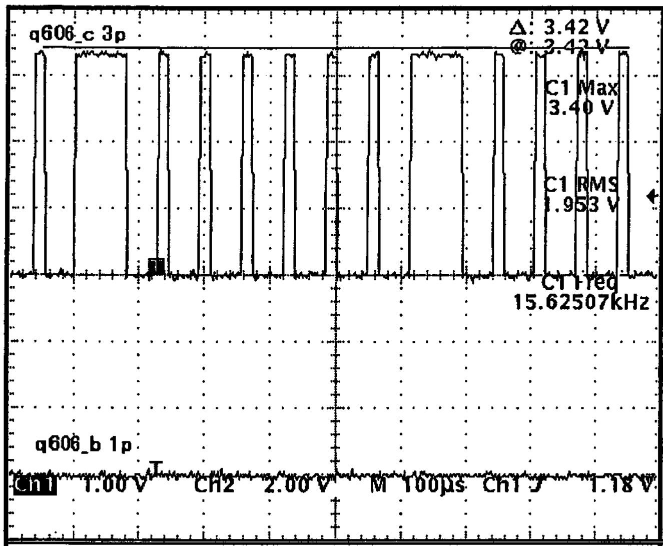
Q605 · 3 Pin(C)		
No.254	Volt/Div=	V/Div
DC・AC	Time/Div=	S/Div



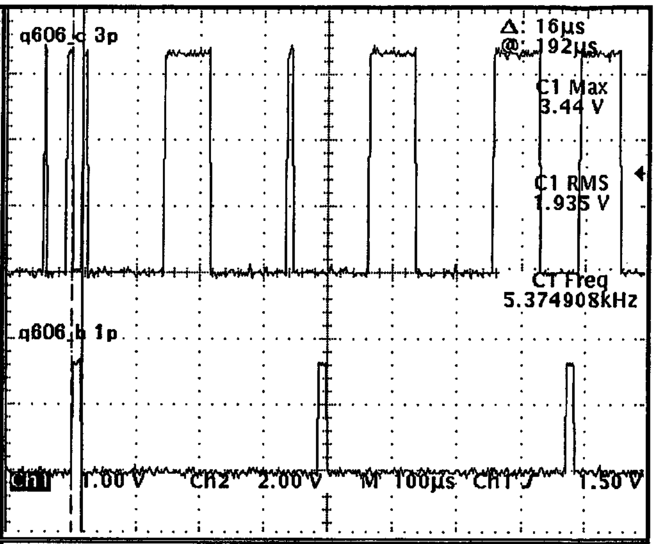
Q606 · 3 Pin(C)		
No.255	Volt/Div=	V/Div
DC・AC	Time/Div=	S/Div



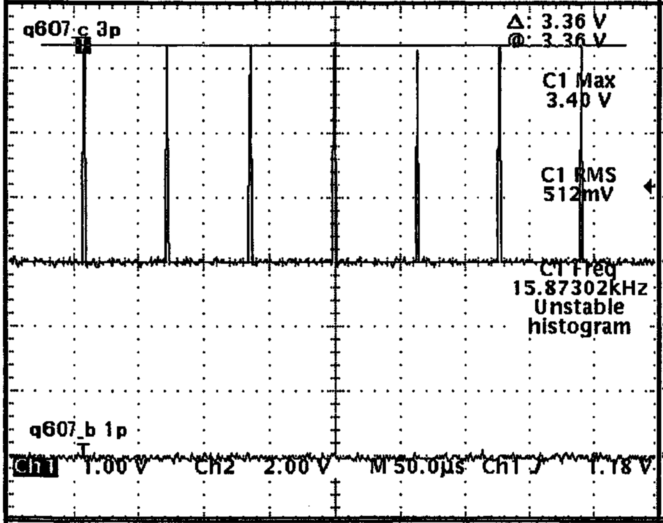
Q606 · 3 Pin(C)		
No.256	Volt/Div=	V/Div
DC・AC	Time/Div=	S/Div



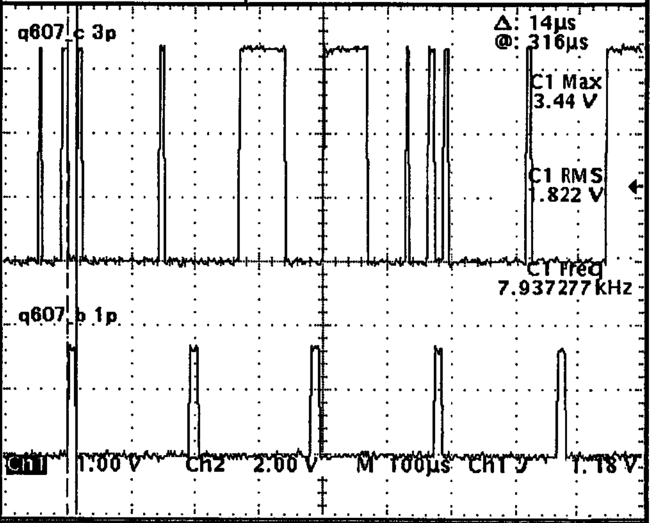
Q606 · 3 Pin(C)		
No.257	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



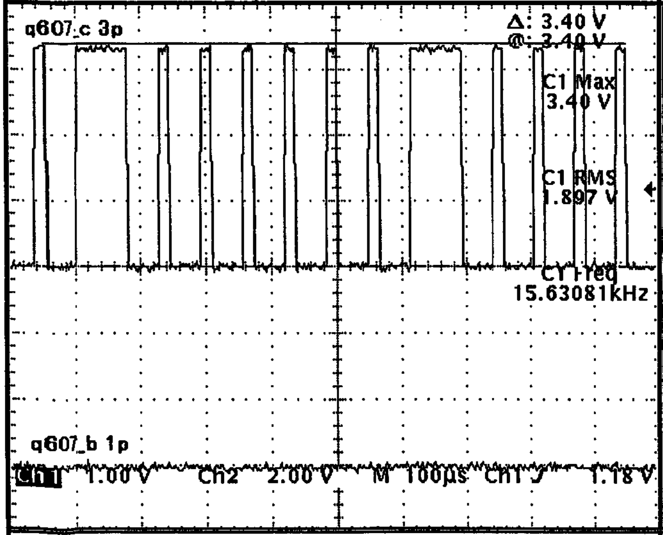
Q606 · 3 Pin(C)		
No.258	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



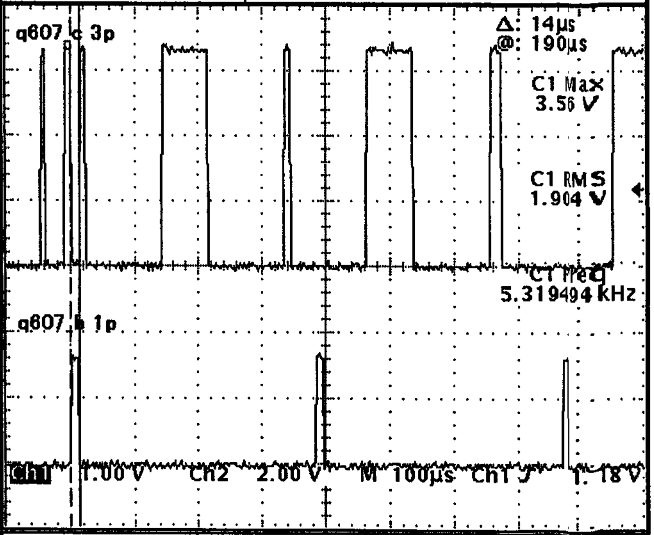
Q607 · 3 Pin(C)		
No.259	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



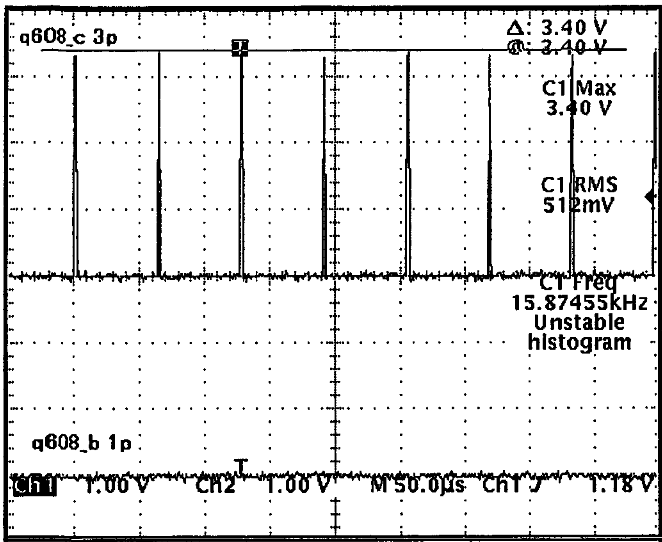
Q607 · 3 Pin(C)		
No.260	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



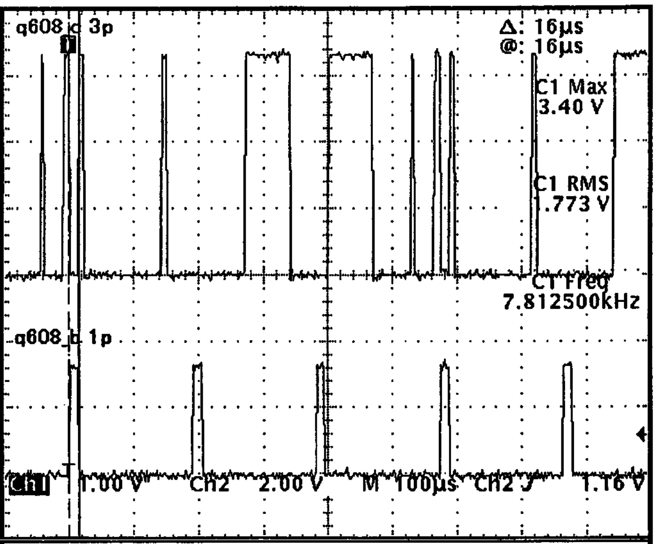
Q607 · 3 Pin(C)		
No.261	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



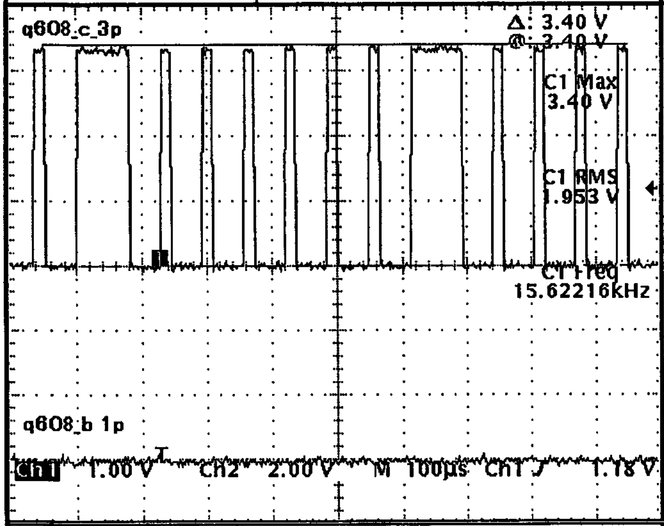
Q607 · 3 Pin(C)		
No.262	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



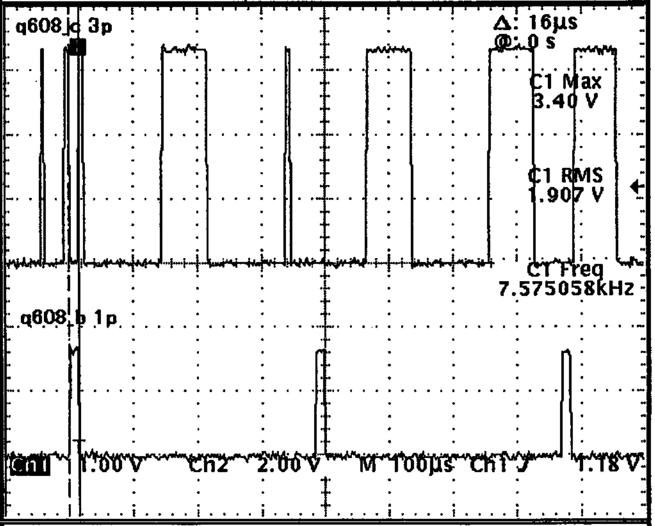
Q608 · 3 Pin(C)		
No.263	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



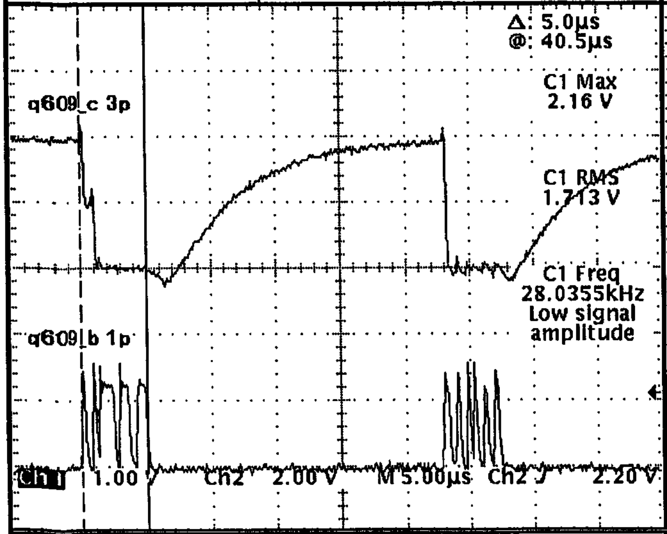
Q608 · 3 Pin(C)		
No.264	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



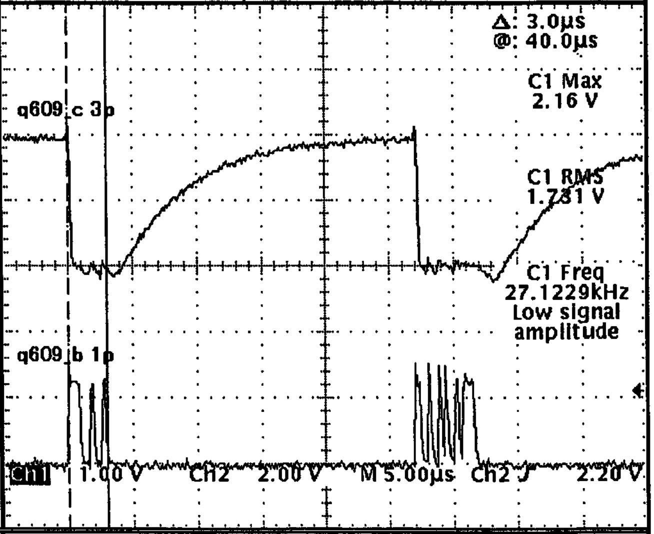
Q608 · 3 Pin(C)		
No.265	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



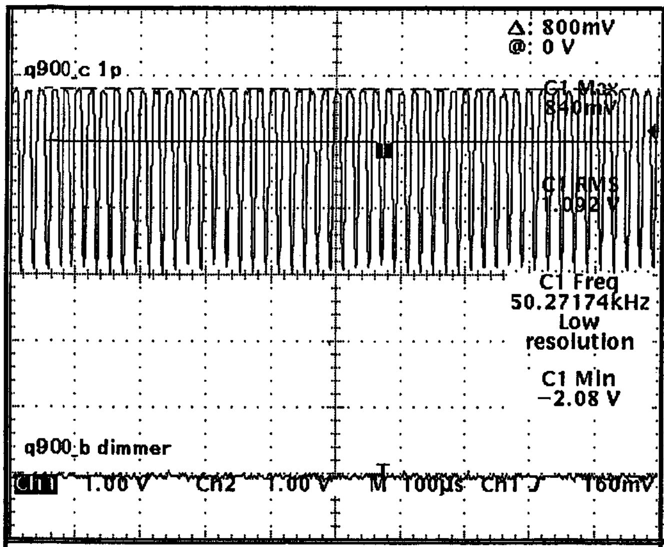
Q608 · 3 Pin(C)		
No.266	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



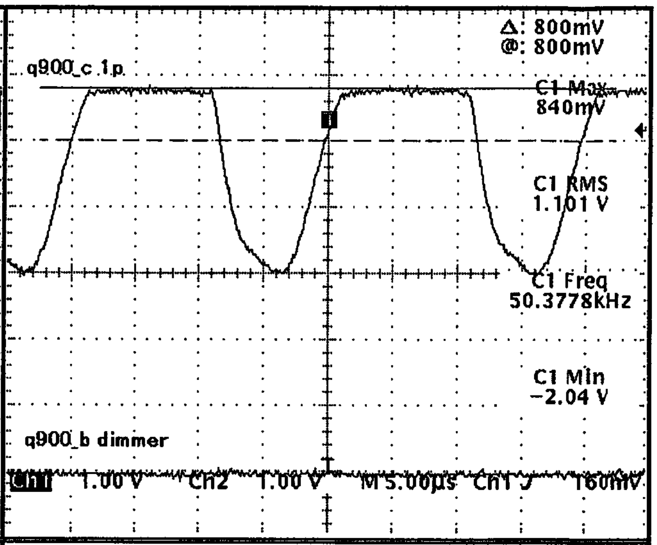
Q609 · 3 Pin(C)		
No.267	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



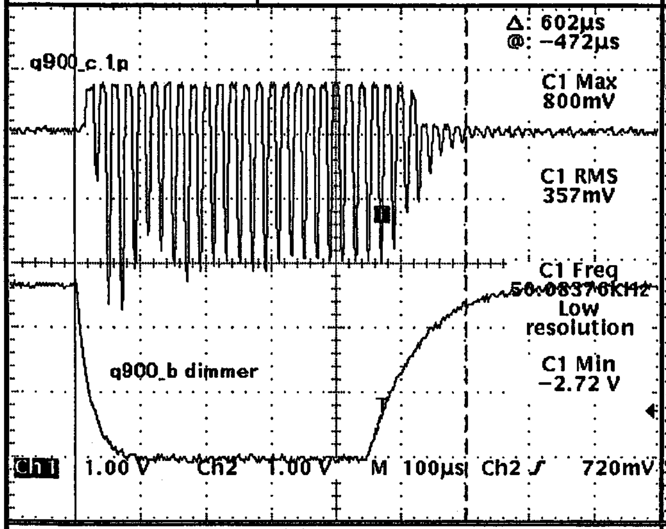
Q609 · 3 Pin(C)		
No.268	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



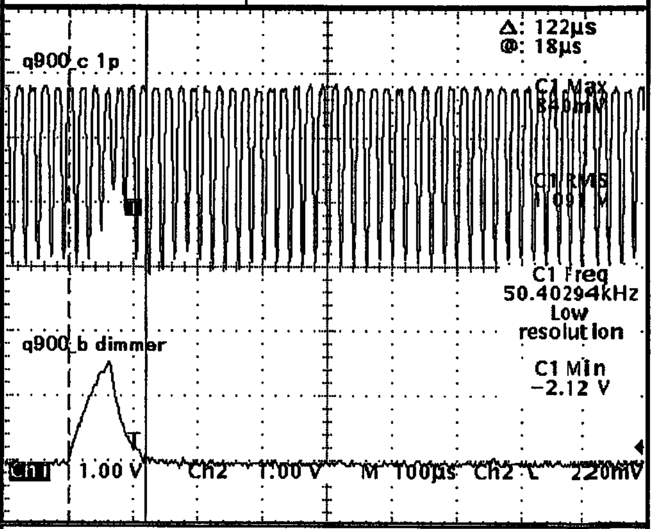
Q900 · 1 Pin(C)		
No.269	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



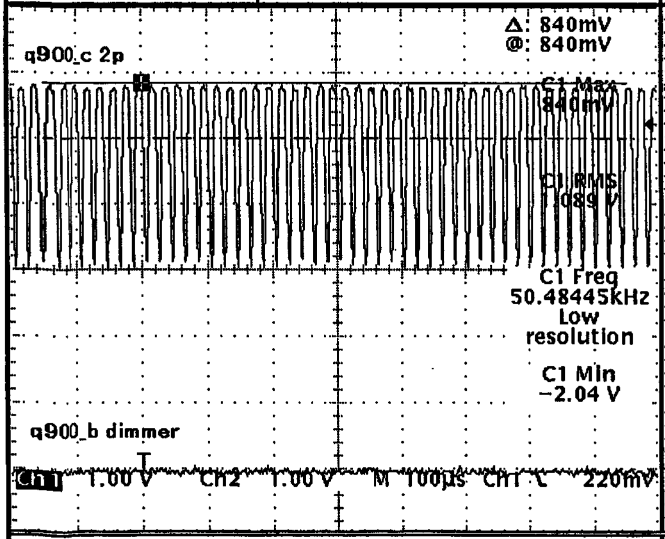
Q900 · 1 Pin(C)		
No.270	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



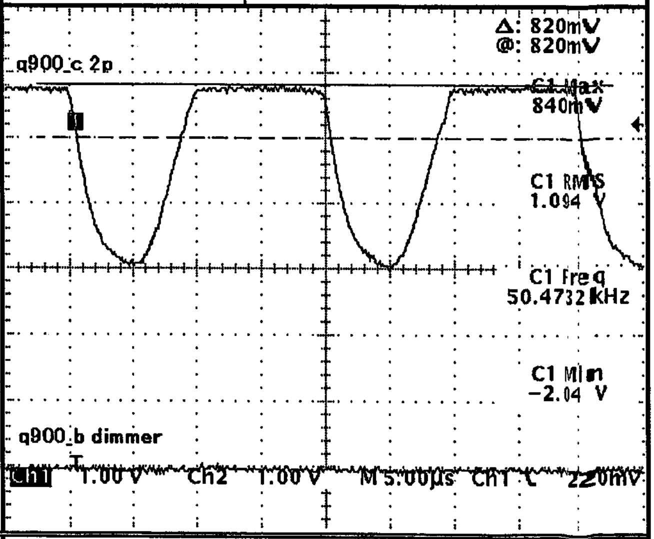
Q900 · 1 Pin(C)		
No.271	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



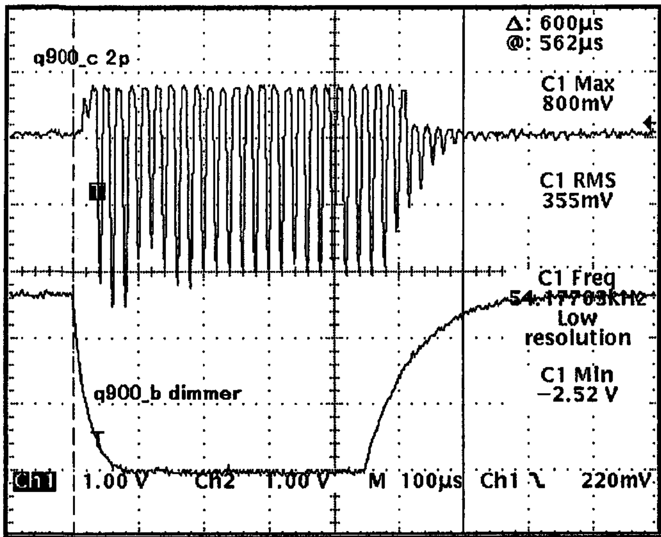
Q900 · 1 Pin(C)		
No.272	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



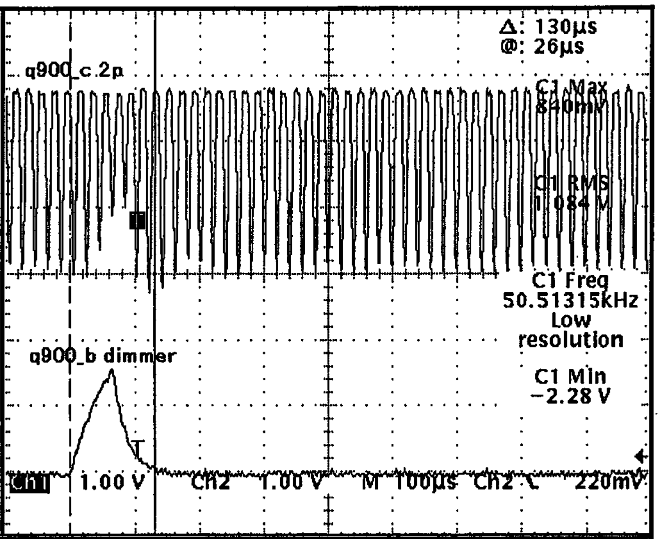
Q900 · 2 Pin(C)		
No.273	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



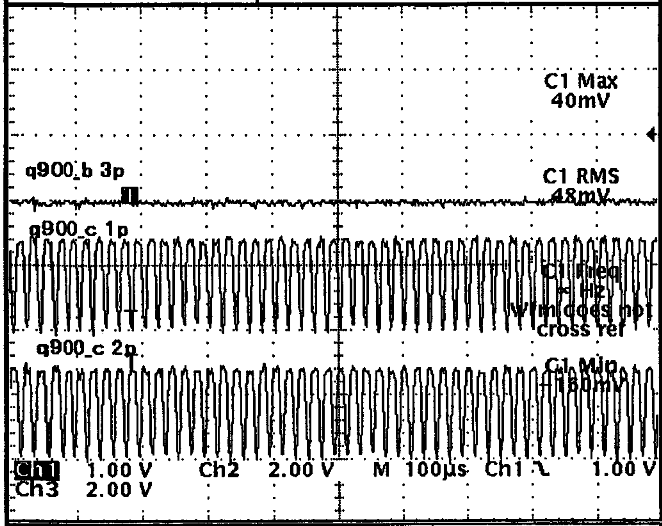
Q900 · 2 Pin(C)		
No.274	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



Q900 ·	2 Pin(C)	
No.275	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



Q900 ·	2 Pin(C)	
No.276	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



Q900 ·	3 Pin(B)	
No.277	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div

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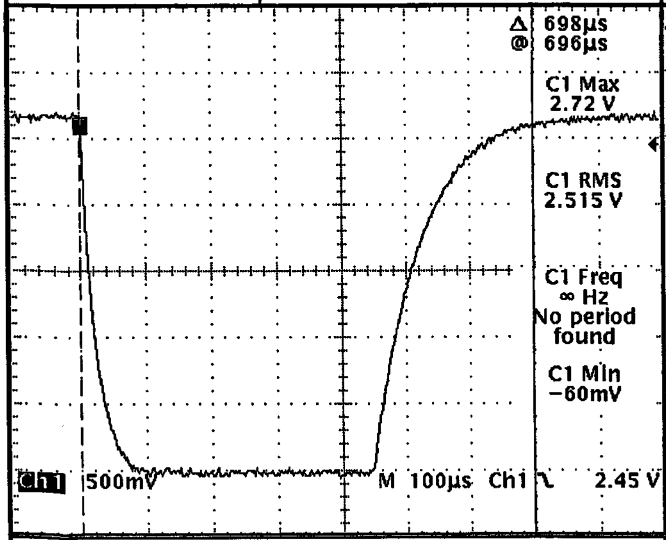
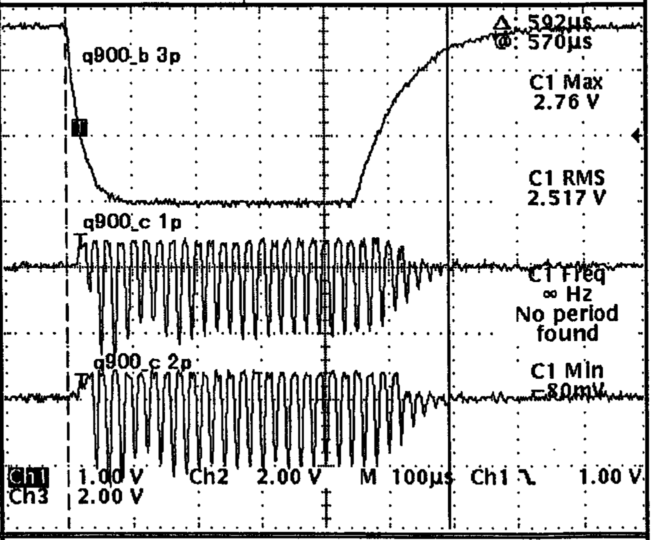
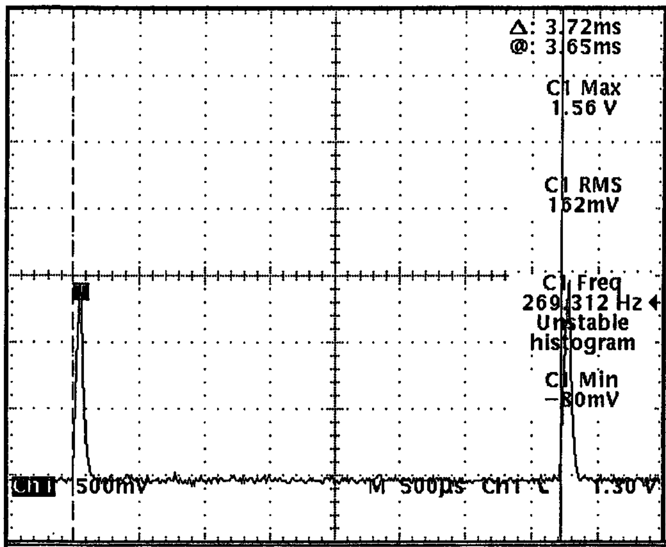
No.	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



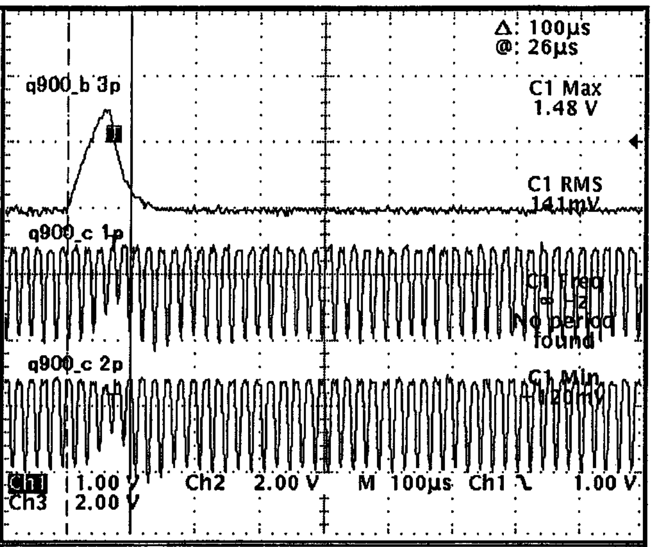
Q900 ·	3 Pin(B)	
No.278	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



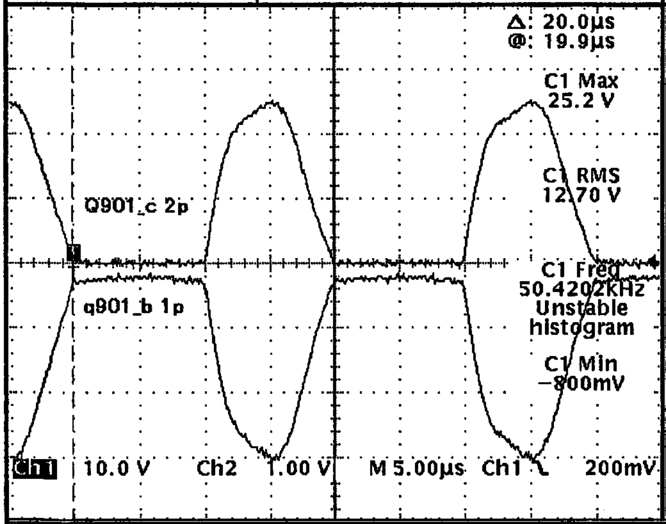
Q900 ·	3 Pin(B)	
No.279	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



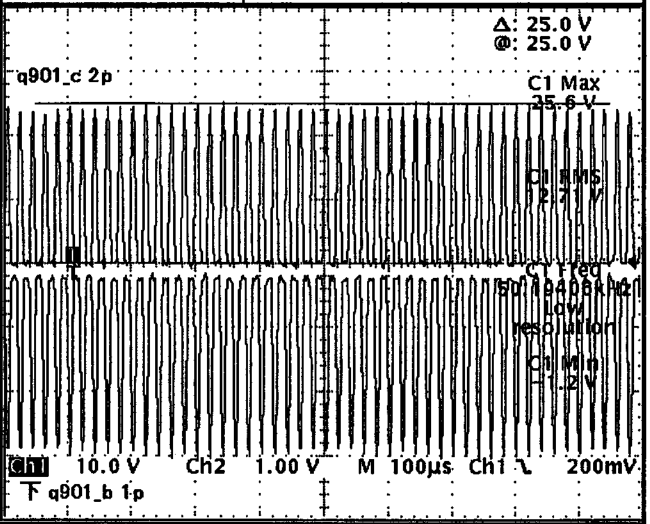
Q900 · 3 Pin(B)		
No.280	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



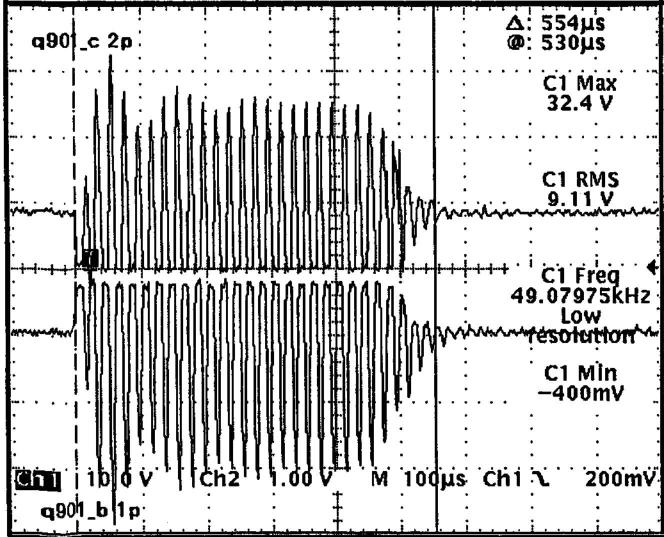
Q900 · 3 Pin(B)		
No.281	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



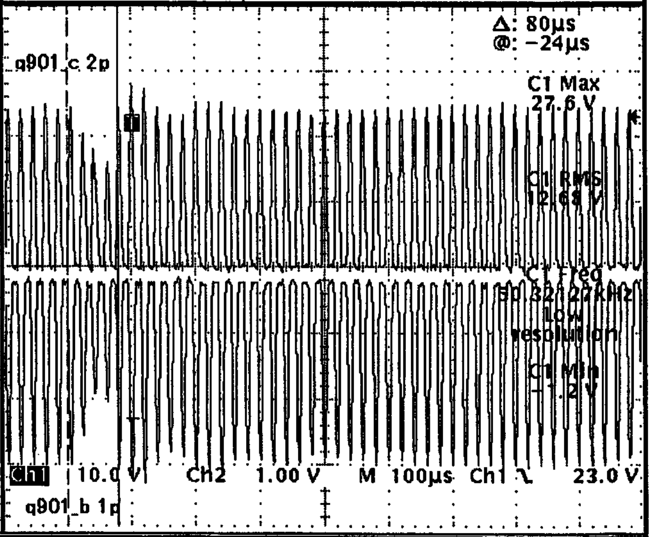
Q901 · 2 Pin(C)		
No.282	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



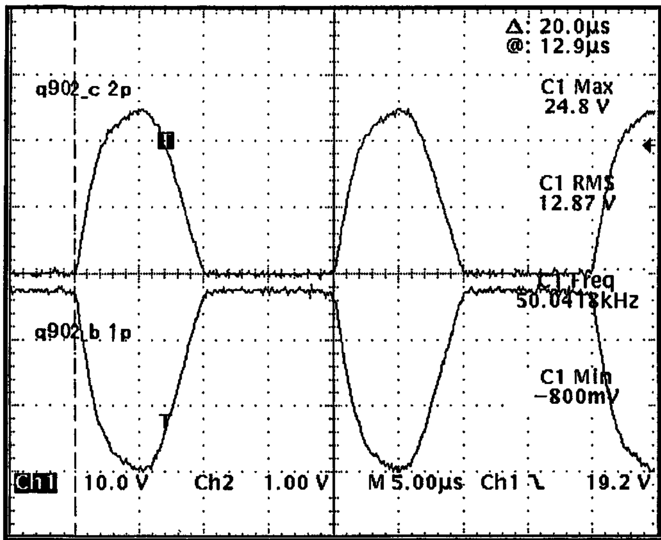
Q901 · 2 Pin(C)		
No.283	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



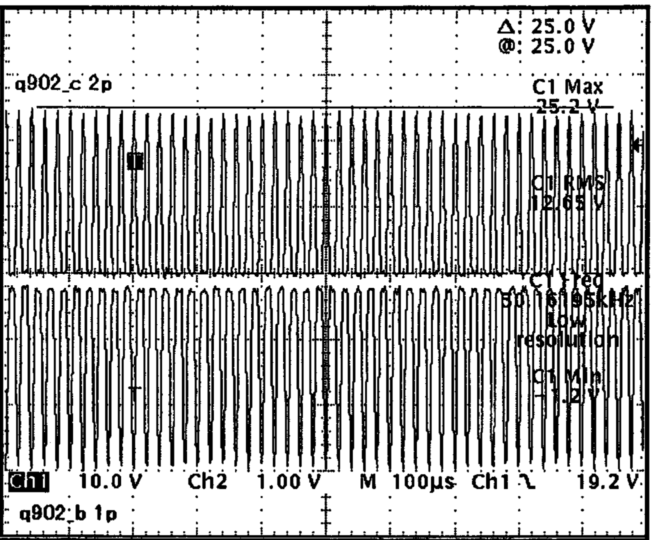
Q901 · 2 Pin(C)		
No.284	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



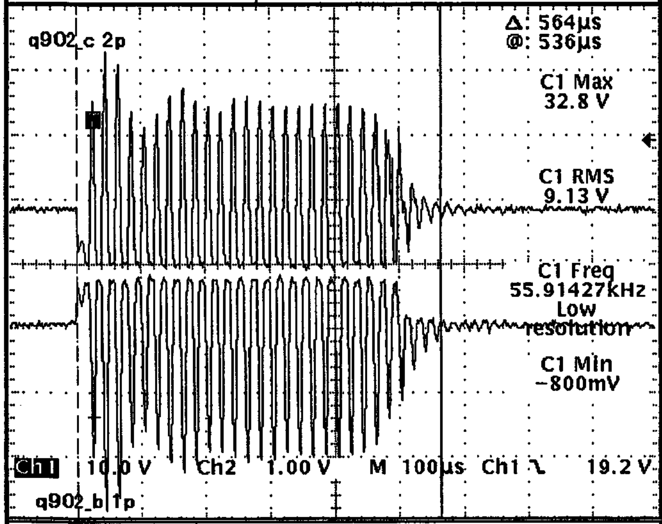
Q901 · 2 Pin(C)		
No.285	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



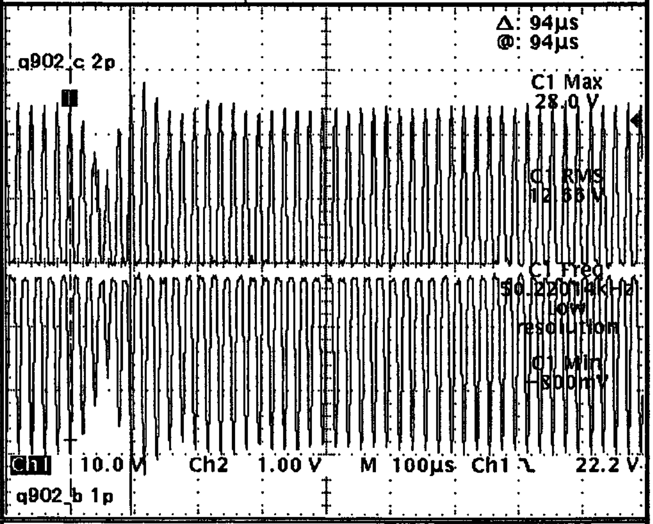
Q902 · 2 Pin(C)		
No.286	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



Q902 · 2 Pin(C)		
No.287	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



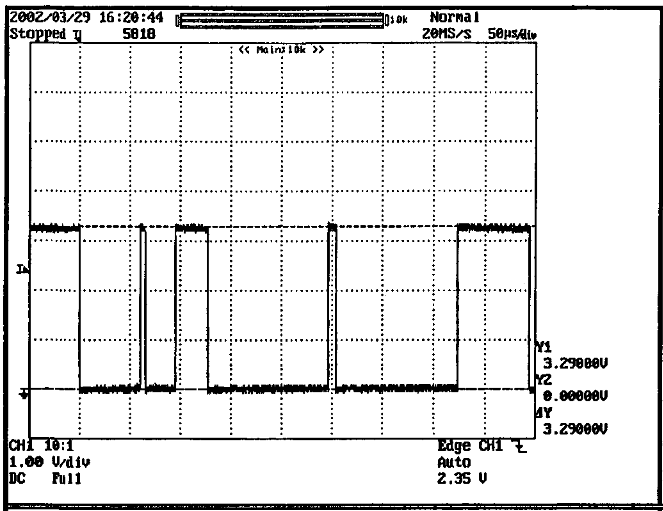
Q902 · 2 Pin(C)		
No.288	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



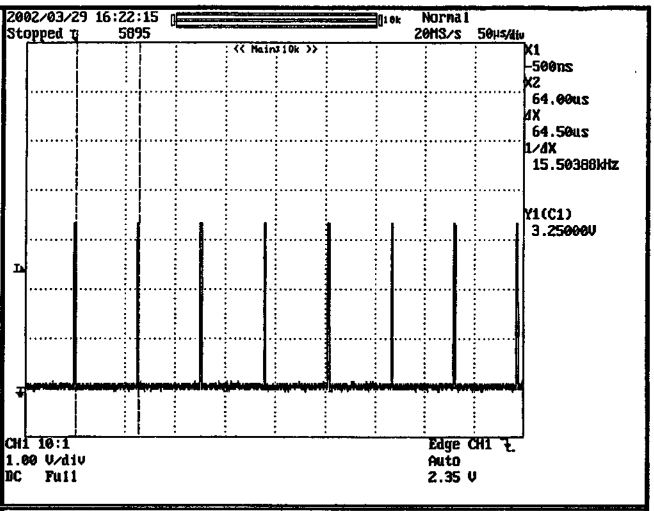
Q902 · 2 Pin(C)		
No.289	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div

·		
No.	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div

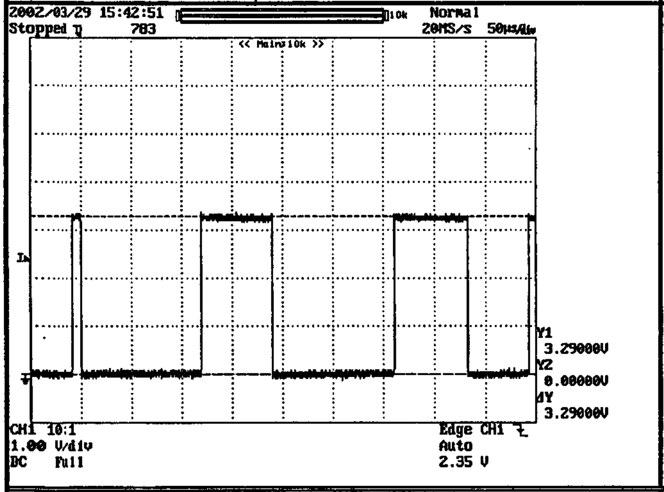
·		
No.	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



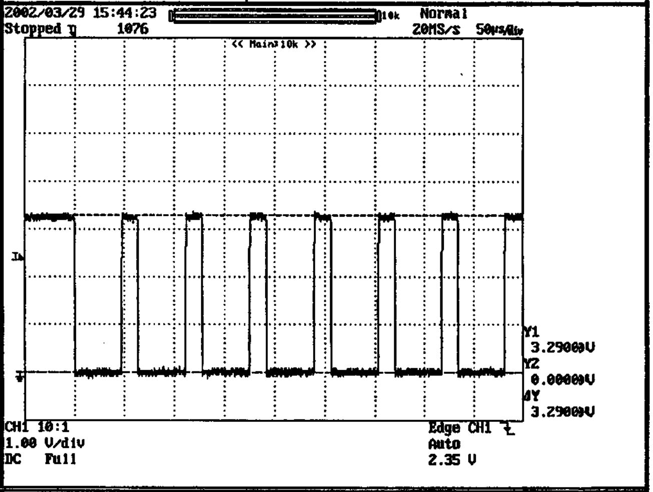
IC615	·	1 Pin
No.291	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



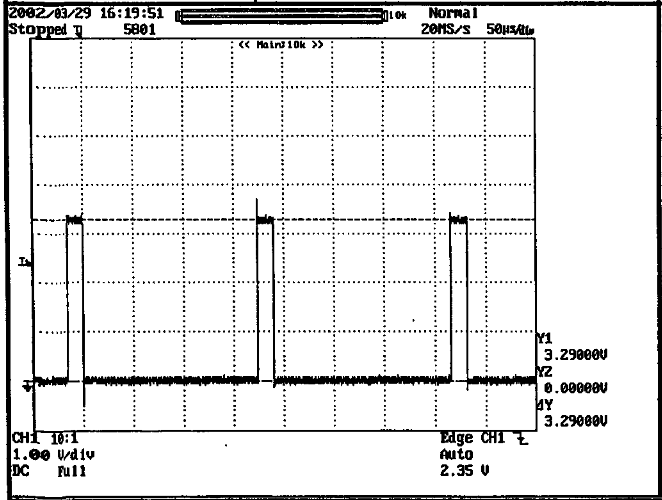
IC615	·	1 Pin
No.292	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



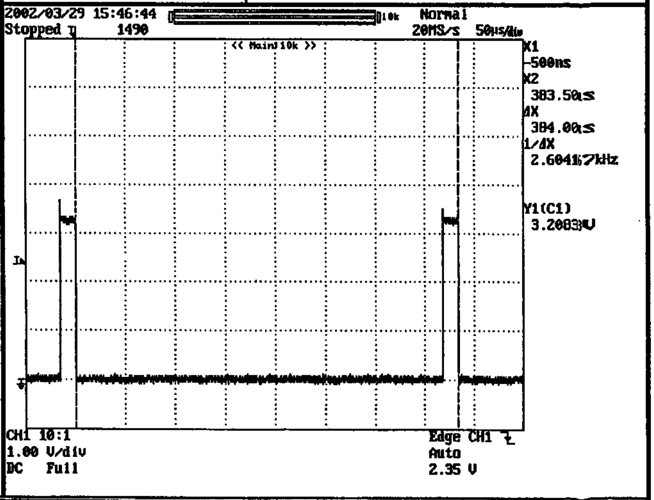
IC615	·	1 Pin
No.293	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



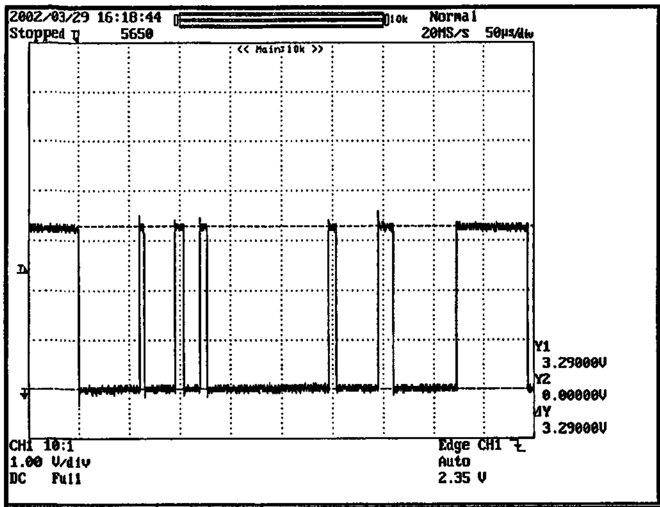
IC615	·	1 Pin
No.294	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



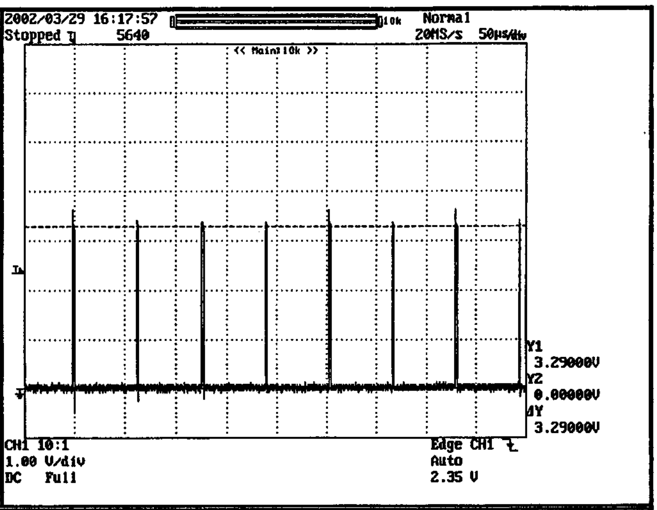
IC615	·	2 Pin
No.295	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



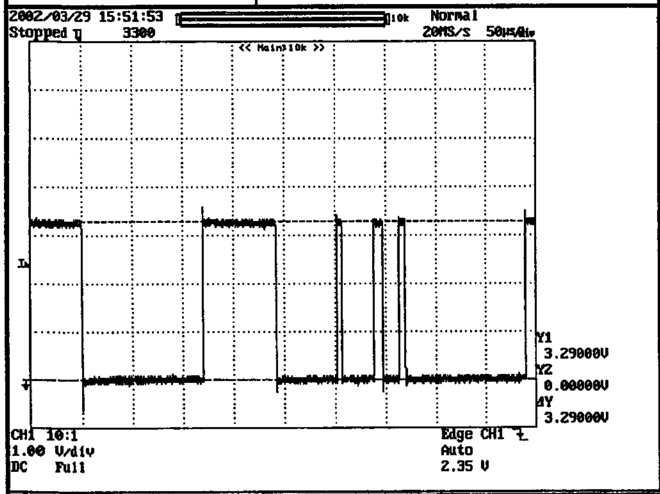
IC615	·	2 Pin
No.296	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



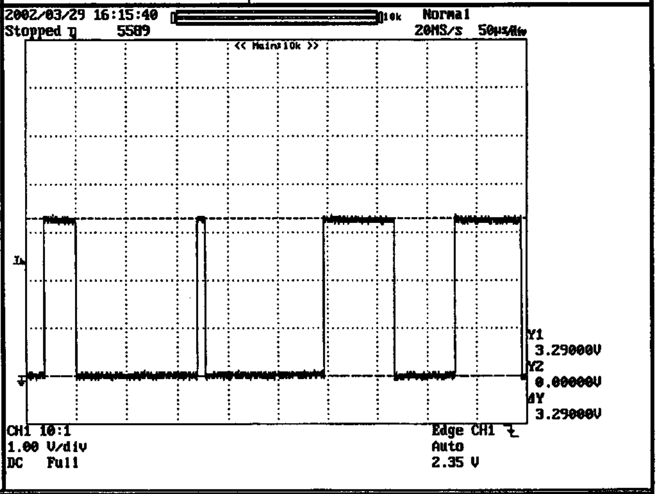
IC615 ·	3 Pin
No.297	Volt/Div= V/Div
DC · AC	Time/Div= S/Div



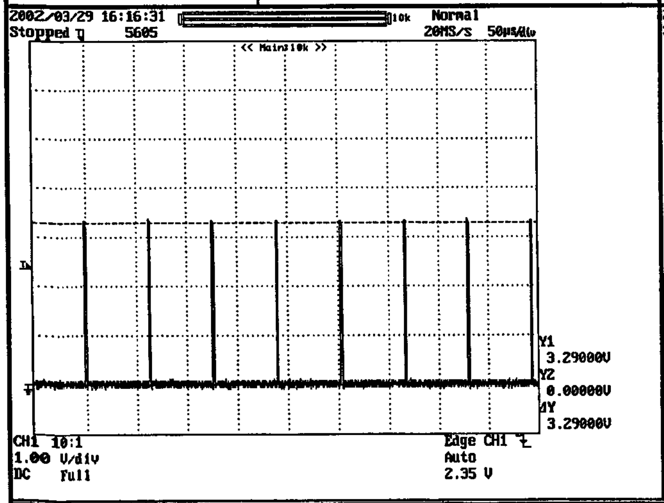
IC615 ·	3 Pin
No.298	Volt/Div= V/Div
DC · AC	Time/Div= S/Div



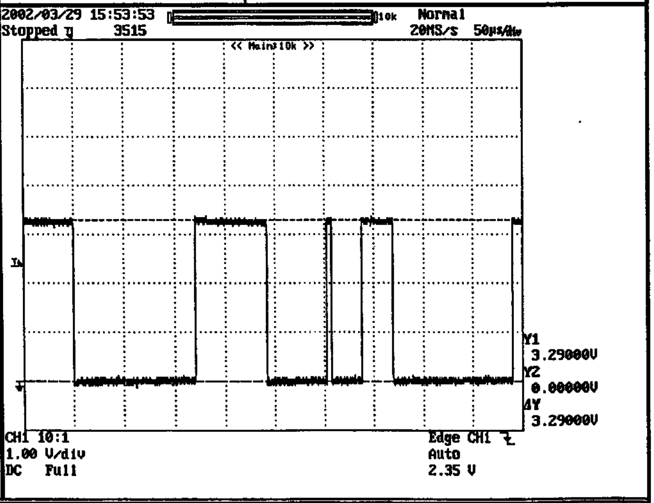
IC615 ·	3 Pin
No.299	Volt/Div= V/Div
DC · AC	Time/Div= S/Div



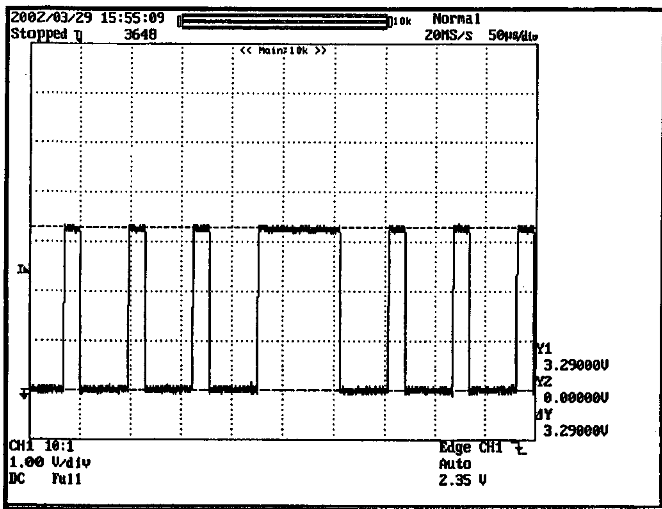
IC615 ·	4 Pin
No.300	Volt/Div= V/Div
DC · AC	Time/Div= S/Div



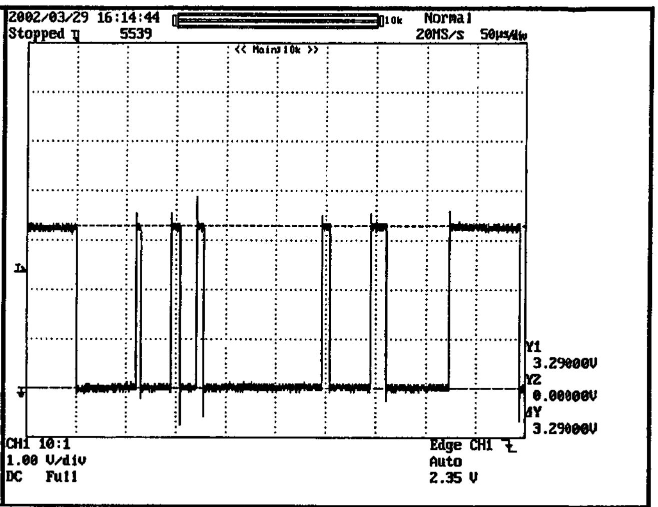
IC615 ·	4 Pin
No.301	Volt/Div= V/Div
DC · AC	Time/Div= S/Div



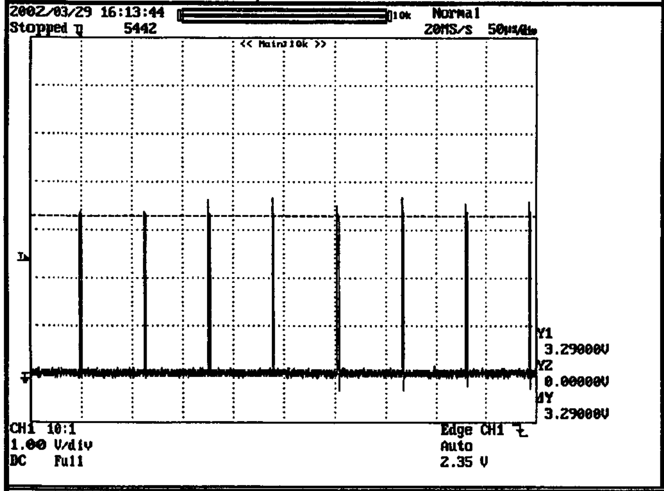
IC615 ·	4 Pin
No.302	Volt/Div= V/Div
DC · AC	Time/Div= S/Div



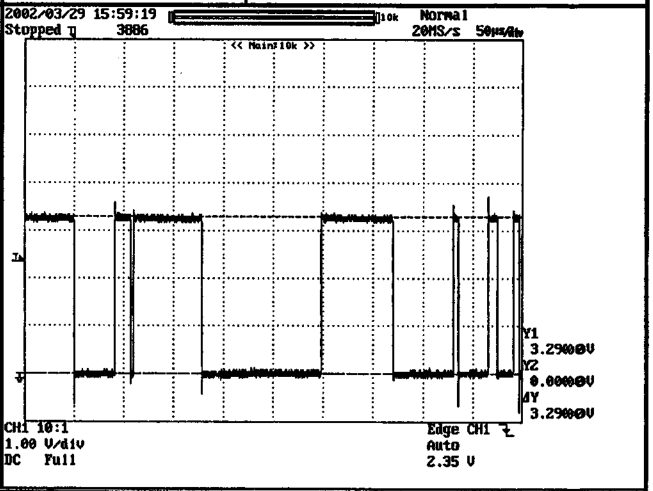
IC615	·	4Pin
No.303	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



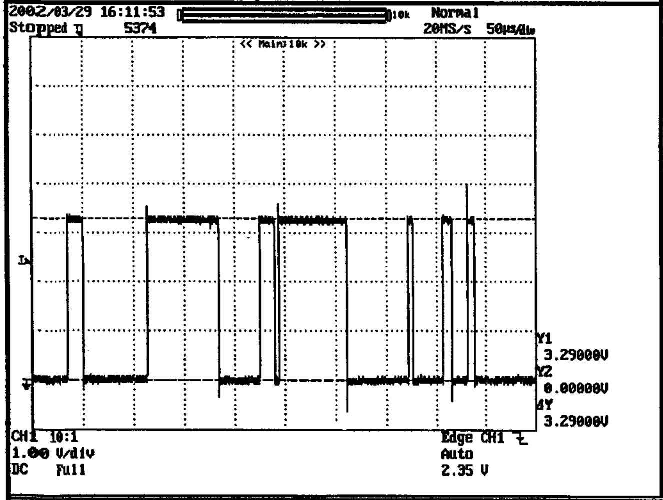
IC615	·	6 Pin
No.304	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



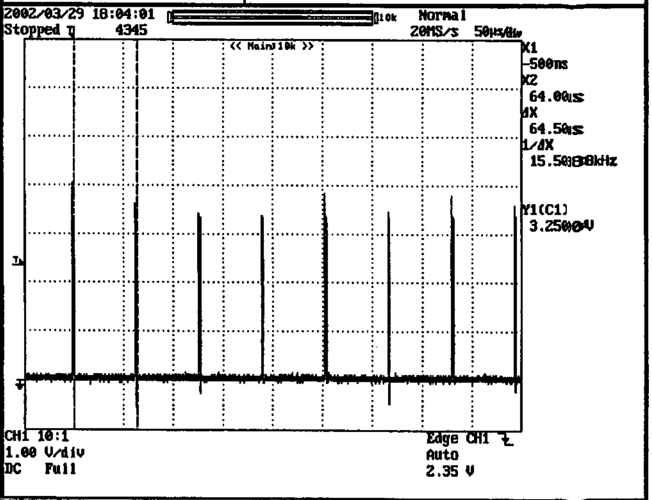
IC615	·	6 Pin
No.305	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



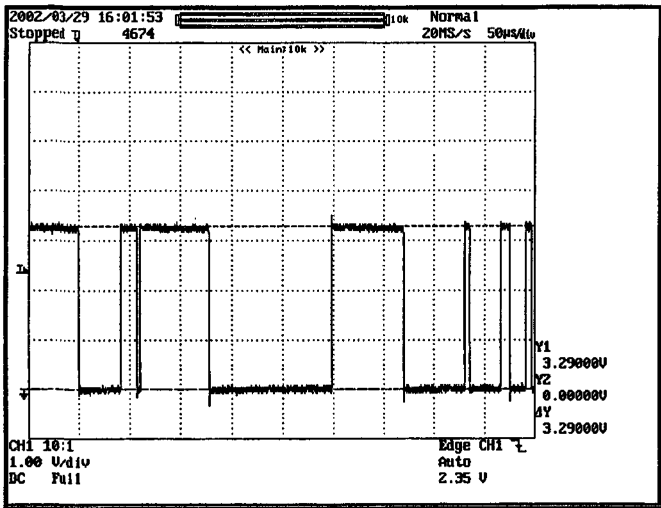
IC615	·	6 Pin
No.306	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



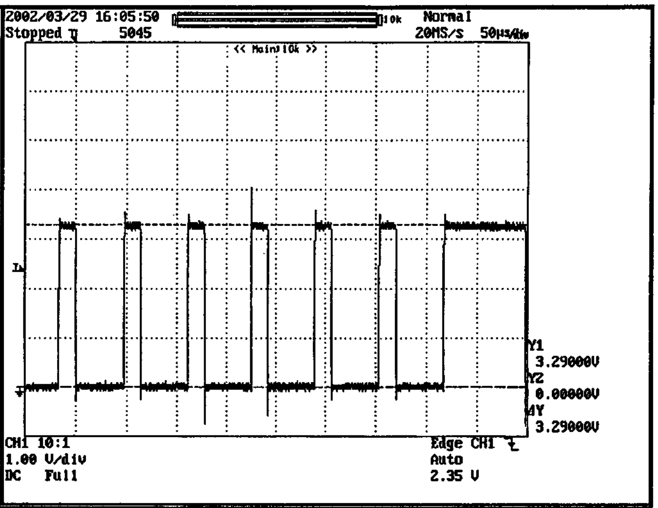
IC615	·	8 Pin
No.307	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



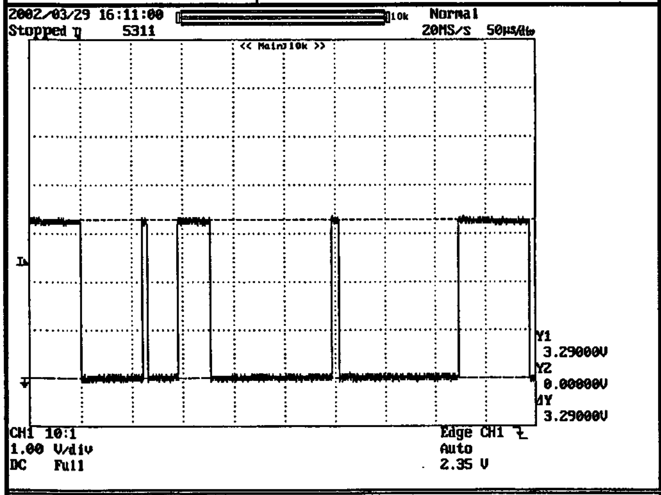
IC615	·	8 Pin
No.308	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



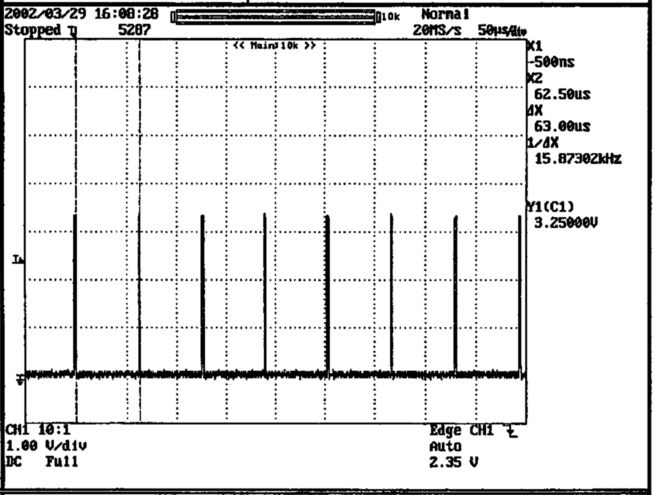
IC615 · 8Pin		
No.309	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



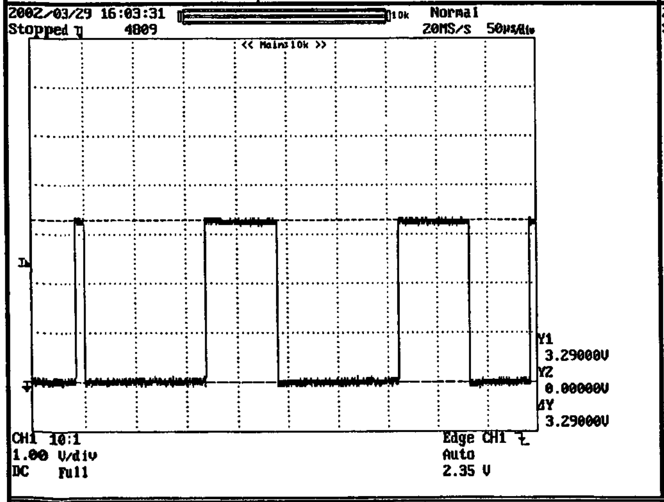
IC615 · 8 Pin		
No.310	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



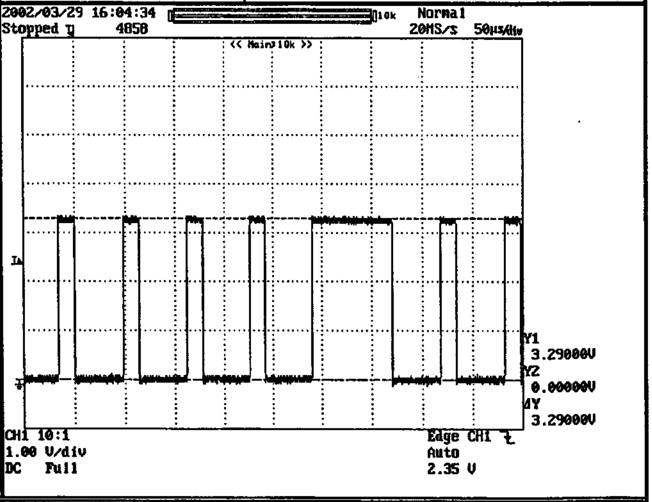
IC615 · 9 Pin		
No.311	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



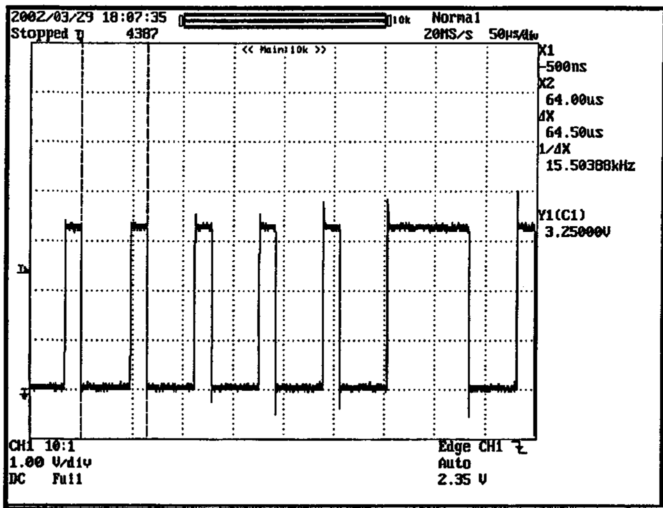
IC615 · 9 Pin		
No.312	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



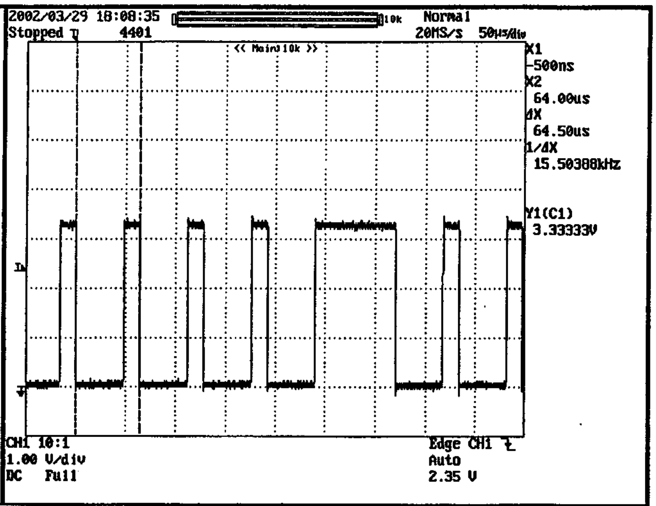
IC615 · 9 Pin		
No.313	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



IC615 · 9 Pin		
No.314	Volt/Div=	V/Div
DC · AC	Time/Div=	S/Div



IC615 ·	3 Pin	
No.315	Volt/Div=	V／Div
DC · AC	Time/Div=	S／Div



IC615 ·	6 Pin	
No.316	Volt/Div=	V／Div
DC · AC	Time/Div=	S／Div

Electrical Parts List

Capacitor : μF=microfarads,pF=picofarads

Abbreviations

RES.= Resistor
C.F.= Carbon Film
M.F.= Metal Film
M.O.= Metal OxideFilm
M.P.= Metal Plate
TR. = Transistor
TRANS.= Transformer
CP. = Chip

CAP.= Capacitor
ELY.= Electrolytic
CER.= Ceramic
MYL.= Mylar
TAN.= Tantalum
POLY.= Polystyrol
PP. = Polypropylene
PLT.= Polyethylene
PF. = Polyester Film

Main P.W.Board

IC's

Symbol No.	Part No.	Description
IC400	51E29864S01	PNA4603H00LB
IC401	51E24290S01	PNA4602M00LB
IC402	51E33757S01	EV0105EA
IC500	51E33729S01	TA48M033F
IC501	51E26814S01	BA178M05FP-E2
IC502	51E31603S01	AN77L07M-E1
IC601	51E33756S01	NJM2406F(TE1)
IC602	51E28113S01	IR3Y29BM
IC603	51E33755S01	HD74LV4066AT-ELL
IC607	51E29916S01	NJM072BM(TE3)
IC608	51E24245S01	BA10358F-E2
IC609	51E33754S01	TC203G04AF-0011
IC610	51E33753S01	PST596INR
IC611	51E26195S01	MM1234XFBE
IC612	51E33728S01	TC7S32F(TE85L)
IC614	51E33752S01	TC74VHC00FT(EL)
IC615	51E33751S01	SN74LVC86APWR

Transistors

Symbol No.	Part No.	Description
Q400	48E24274S01	2SD0601ARL
Q401	48E24274S01	2SD0601ARL
Q402	48E24270S01	UNR221300L
Q403	48E24502S01	2SB0709ARL
Q500	48E33771S01	XN0460100L
Q502	48E26885S01	2SD1898T100Q
Q503	48E24274S01	2SD0601ARL
Q600	48E24270S01	UNR221300L
Q601	48E24502S01	2SB0709ARL
Q602	48E24270S01	UNR221300L
Q603	48E33771S01	XN0460100L
Q604	48E24274S01	2SD0601ARL
Q605	48E24502S01	2SB0709ARL
Q606	48E24274S01	2SD0601ARL
Q609	48E24270S01	UNR221300L
Q700	48E24270S01	UNR221300L
Q701	48E24273S01	UNR211300L
Q900	48E24279S01	XN0121100L
Q901	48E33772S01	2SC5566-TD
Q902	48E33772S01	2SC5566-TD

Diodes

Symbol No.	Part No.	Description
D400	48E28120S01	DAN217T146
D500	48E24611S01	MA3J142D0L
D501	48E24611S01	MA3J142D0L
D502	48E24611S01	MA3J142D0L
D503	48E24611S01	MA3J142D0L
D504	48E24611S01	MA3J142D0L
D600	48E28120S01	DAN217T146
D601	48E33773S01	MA3X72000L
D602	48E33773S01	MA3X72000L
D603	48E33773S01	MA3X72000L
D604	48E24611S01	MA3J142D0L
D605	48E24611S01	MA3J142D0L
D606	48E24611S01	MA3J142D0L
D607	48E28120S01	DAN217T146
D608	48E24611S01	MA3J142D0L
VC600	48E33776S01	MA2S35700L
ZD400	48E28585S01	MAZ30300LL
ZD500	48E28199S01	MAZ31300LL
ZD501	48E33775S01	MAZ31600ML

Filters

Symbol No.	Part No.	Description
FB600	25E33734S01	BLM18HD601SN1D
FB601	25E33734S01	BLM18HD601SN1D
FB602	25E33734S01	BLM18HD601SN1D
FB603	25E33734S01	BLM18HD601SN1D
FB604	25E33758S01	BLM18HG102SN1D
FB605	25E33734S01	BLM18HD601SN1D
FB606	25E33734S01	BLM18HD601SN1D
FB607	25E33734S01	BLM18HD601SN1D
FB608	25E33734S01	BLM18HD601SN1D
FB609	25E33758S01	BLM18HG102SN1D

Symbol No.	Part No.	Description
Switches		
SW400	40E33764S01	EVQP2402W(DISP)
SW401	40E33764S01	EVQP2402W(SETUP)
SW402	40E33764S01	EVQP2402W(PWR)
SW403	40E33764S01	EVQP2402W(VOLUME DN)
SW404	40E33764S01	EVQP2402W(VOLUME UP)
Coils		
L500	24E28197S01	ELJPA100KF
L600	24E33769S01	ELJNA1R2JF
L900	24E31613S01	CDRH127-101MC
L901	24E33768S01	CDRH127-331M
Crystals		
X400	91E33761S01	CSTCC3M64G56-R0
X600	91E33759S01	HC-49/U-S 3.579545MHZ
X601	91E33760S01	HC-49/U-S 4.433619MHZ
Transformers		
T500	48E33762S01	3008106
T600	24E33770S01	3008459
T901	48E33763S01	ETJV20MB23AB
LED		
LD400	48E33774S01	SML-010MTT86P
Capacitors		
C400	08E25370S01	GRM188B11H222KA01D
C401	08E33743S01	GRM188F11E104ZA01D
C402	08E33743S01	GRM188F11E104ZA01D
C500	08E33743S01	GRM188F11E104ZA01D
C501	08E33743S01	GRM188F11E104ZA01D
C502	08E33743S01	GRM188F11E104ZA01D
C503	08E33743S01	GRM188F11E104ZA01D
C505	08E33743S01	GRM188F11E104ZA01D
C506	08E33743S01	GRM188F11E104ZA01D
C507	08E25040S01	GRM188F11A105ZC01D
C508	08E25040S01	GRM188F11A105ZC01D
C509	08E25041S01	GRM188B11H472KA01D
C510	08E25370S01	GRM188B11H222KA01D
C511	08E33743S01	GRM188F11E104ZA01D
C512	08E33743S01	GRM188F11E104ZA01D
C600	08E33743S01	GRM188F11E104ZA01D
C601	08E25040S01	GRM188F11A105ZC01D
C602	08E26783S01	GRM1881X1H391JZ01D
C604	08E33743S01	GRM188F11E104ZA01D
C605	08E33743S01	GRM188F11E104ZA01D
C606	08E33743S01	GRM188F11E104ZA01D
C607	08E25033S01	GRM188B11H103KA01D
C608	08E33743S01	GRM188F11E104ZA01D
C609	08E25040S01	GRM188F11A105ZC01D
C610	08E25033S01	GRM188B11H103KA01D
C611	08E25033S01	GRM188B11H103KA01D
C612	08E33780S01	GRM1882C1H151JA01D
C613	08E28176S01	GRM188B11H682KD01D
C614	08E25033S01	GRM188B11H103KA01D
C615	08E25033S01	GRM188B11H103KA01D
C616	08E25033S01	GRM188B11H103KA01D
C617	08E25039S01	GRM188B11C473KA01D
C618	08E33782S01	GRM188B10J105KA01D
C619	08E25040S01	GRM188F11A105ZC01D
C620	08E25033S01	GRM188B11H103KA01D
C621	08E25033S01	GRM188B11H103KA01D
C622	08E25393S01	GRM21BB11A105KA01L
C623	08E25033S01	GRM188B11H103KA01D
C624	08E25040S01	GRM188F11A105ZC01D
C625	08E28177S01	GRM1881X1H820JZ01D
C626	08E25040S01	GRM188F11A105ZC01D
C627	08E25040S01	GRM188F11A105ZC01D
C628	08E25040S01	GRM188F11A105ZC01D
C629	08E33743S01	GRM188F11E104ZA01D
C630	08E25033S01	GRM188B11H103KA01D
C631	08E25033S01	GRM188B11H103KA01D
C632	08E25033S01	GRM188B11H103KA01D
C633	08E28181S01	GRM1881X1H681JZ01D
C634	08E25033S01	GRM188B11H103KA01D
C635	08E33015S01	GRM1882C1H220JZ01D
C636	08E25033S01	GRM188B11H103KA01D
C637	08E33743S01	GRM188F11E104ZA01D
C638	08E25393S01	GRM21BB11A105KA01L
C640	08E33743S01	GRM188F11E104ZA01D
C641	08E25038S01	GRM188B11C104KA01D
C642	08E25033S01	GRM188B11H103KA01D
C643	08E25034S01	GRM1881X1H561JZ01D
C644	08E33743S01	GRM188F11E104ZA01D
C645	08E25033S01	GRM188B11H103KA01D
C646	08E31626S01	GRM1883U1H681JZ01D
C647	08E33743S01	GRM188F11E104ZA01D
C648	08E33743S01	GRM188F11E104ZA01D

Symbol No.	Part No.	Description
C649	08E33743S01	GRM188F11E104ZA01D
C650	08E33743S01	GRM188F11E104ZA01D
C651	08E25393S01	GRM21BB11A105KA01L
C652	08E33743S01	GRM188F11E104ZA01D
C653	08E33743S01	GRM188F11E104ZA01D
C654	08E33014S01	GRM1881X1E102JD01D
C655	08E33014S01	GRM1881X1E102JD01D
C656	08E26779S01	GRM1882C1H271JA01D
C657	08E25043S01	GRM188B11H152KD01D
C658	08E33743S01	GRM188F11E104ZA01D
C659	08E33743S01	GRM188F11E104ZA01D
C660	08E33743S01	GRM188F11E104ZA01D
C661	08E33743S01	GRM188F11E104ZA01D
C662	08E33743S01	GRM188F11E104ZA01D
C663	08E33743S01	GRM188F11E104ZA01D
C664	08E33743S01	GRM188F11E104ZA01D
C666	08E33784S01	GRM1882R1H560JZ01D
C668	08E25033S01	GRM188B11H103KA01D
C669	08E33781S01	GRM219F11E105ZA01D
C670	08E33743S01	GRM188F11E104ZA01D
C671	08E28181S01	GRM1881X1H681JZ01D
C672	08E28181S01	GRM1881X1H681JZ01D
C673	08E26783S01	GRM1881X1H391JZ01D
C674	08E33743S01	GRM188F11E104ZA01D
C677	08E25034S01	GRM1881X1H561JZ01D
C678	08E33743S01	GRM188F11E104ZA01D
C679	08E33743S01	GRM188F11E104ZA01D
C680	08E25040S01	GRM188F11A105ZC01D
C681	08E25040S01	GRM188F11A105ZC01D
C682	08E25040S01	GRM188F11A105ZC01D
C901	08E33743S01	GRM188F11E104ZA01D
C902	08E29926S01	ECHU1H823JB9
C903	08E33783S01	ECCT3G150JG
C904	08E24654S01	GRM216B11H223KD01D
C905	08E25044S01	GRM188B11E223KA01D
CC400	23E31629S01	EEEHA1C100R
CC401	23E31633S01	EEEHA1A151WP
CC402	23E31629S01	EEEHA1C100R
CC500	23E31633S01	EEEHA1A151WP
CC501	23E31633S01	EEEHA1A151WP
CC502	23E31633S01	EEEHA1A151WP
CC503	23E31633S01	EEEHA1A151WP
CC504	23E31633S01	EEEHA1A151WP
CC505	23E31632S01	EEEHA1E470WP
CC506	23E31632S01	EEEHA1E470WP
CC507	23E31629S01	EEEHA1C100R
CC508	23E31630S01	EEEHA1C101WP
CC509	23E33748S01	EEEHA1C220R
CC600	23E31629S01	EEEHA1C100R

Symbol No.	Part No.	Description
CC601	23E31629S01	EEEHA1C100R
CC602	23E33747S01	EEEHA1V4R7R
CC603	23E33747S01	EEEHA1V4R7R
CC605	23E31631S01	EEEHA1C221XP
CC606	23E31629S01	EEEHA1C100R
CC607	23E31632S01	EEEHA1E470WP
CC609	23E31632S01	EEEHA1E470WP
CC610	23E33747S01	EEEHA1V4R7R
CC611	23E31629S01	EEEHA1C100R
CC612	23E31629S01	EEEHA1C100R
CC613	23E31629S01	EEEHA1C100R
CC614	23E31629S01	EEEHA1C100R
CC900	23E29927S01	EEFCD1B220R
CC901	23E26857S01	EEUFC1A681L
CC902	23E26857S01	EEUFC1A681L
Resistors		
R401	06E25003S01	ERJ3GEYF152V
R402	06E24683S01	MCR18EZHJ100
R403	06E24996S01	ERJ3GEYF102V
R404	06E25021S01	ERJ3GEYF472V
R406	06E25364S01	ERJ3GEYF183V
R407	06E25020S01	ERJ3GEYF471V
R408	06E25020S01	ERJ3GEYF471V
R409	06E25020S01	ERJ3GEYF471V
R410	06E25011S01	ERJ3GEYF223V
R411	06E25004S01	ERJ3GEYF153V
R412	06E25014S01	ERJ3GEYF273V
R413	06E26201S01	ERJ3GEYF271V
R502	06E25021S01	ERJ3GEYF472V
R503	06E25011S01	ERJ3GEYF223V
R504	06E24998S01	ERJ3GEYF104V
R505	06E25011S01	ERJ3GEYF223V
R506	06E26890S01	ERJ3GEYF680V
R507	06E25364S01	ERJ3GEYF183V
R508	06E25032S01	ERJ3GEYF822V
R509	06E25032S01	ERJ3GEYF822V
R510	06E25017S01	ERJ3GEYF333V
R600	06E25009S01	ERJ3GEYF221V
R601	06E29963S01	ERJ3GEYF363V
R602	06E24996S01	ERJ3GEYF102V
R603	06E24996S01	ERJ3GEYF102V
R604	06E24996S01	ERJ3GEYF102V
R605	06E25020S01	ERJ3GEYF471V
R606	06E24996S01	ERJ3GEYF102V
R607	06E24995S01	ERJ3GEYF101V
R608	06E24995S01	ERJ3GEYF101V

Symbol No.	Part No.	Description
R609	06E26774S01	ERJ3GEYF821V
R610	06E25021S01	ERJ3GEYF472V
R611	06E25000S01	ERJ3GEYF122V
R612	06E25028S01	ERJ3GEYF682V
R613	06E24997S01	ERJ3GEYF103V
R614	06E26866S01	ERJ3GEYF474V
R615	06E26866S01	ERJ3GEYF474V
R617	06E28600S01	MCR18EZHJ101
R618	06E28600S01	MCR18EZHJ101
R619	06E28600S01	MCR18EZHJ101
R620	06E33779S01	ERJ6GEYG240V
R621	06E25009S01	ERJ3GEYF221V
R622	06E25018S01	ERJ3GEYF393V
R623	06E25018S01	ERJ3GEYF393V
R624	06E25031S01	ERJ3GEYF752V
R625	06E25017S01	ERJ3GEYF333V
R626	06E25017S01	ERJ3GEYF333V
R627	06E25364S01	ERJ3GEYF183V
R628	06E25367S01	ERJ3GEYF823V
R629	06E24997S01	ERJ3GEYF103V
R630	06E26200S01	ERJ3GEY0R00V
R631	06E24998S01	ERJ3GEYF104V
R632	06E25022S01	ERJ3GEYF473V
R633	06E25017S01	ERJ3GEYF333V
R634	06E24996S01	ERJ3GEYF102V
R635	06E24996S01	ERJ3GEYF102V
R636	06E29955S01	ERJ3GEYF243V
R637	06E25004S01	ERJ3GEYF153V
R638	06E24999S01	ERJ3GEYF105V
R639	06E25022S01	ERJ3GEYF473V
R640	06E25017S01	ERJ3GEYF333V
R641	06E24999S01	ERJ3GEYF105V
R642	06E24998S01	ERJ3GEYF104V
R643	06E25024S01	ERJ3GEYF562V
R644	06E25003S01	ERJ3GEYF152V
R646	06E25014S01	ERJ3GEYF273V
R647	06E26887S01	ERJ3GEYF203V
R648	06E25014S01	ERJ3GEYF273V
R649	06E26887S01	ERJ3GEYF203V
R650	06E25015S01	ERJ3GEYF331V
R651	06E25024S01	ERJ3GEYF562V
R652	06E24990S01	ERJ3GEYJ3R3V
R653	06E25028S01	ERJ3GEYF682V
R654	06E25032S01	ERJ3GEYF822V
R655	06E24995S01	ERJ3GEYF101V
R656	06E25004S01	ERJ3GEYF153V
R657	06E25021S01	ERJ3GEYF472V
R658	06E24995S01	ERJ3GEYF101V
R659	06E24995S01	ERJ3GEYF101V

Symbol No.	Part No.	Description
R660	06E24995S01	ERJ3GEYF101V
R661	06E28124S01	ERJ3GEYJ106V
R662	06E24995S01	ERJ3GEYF101V
R663	06E25001S01	ERJ3GEYF123V
R664	06E26887S01	ERJ3GEYF203V
R665	06E24997S01	ERJ3GEYF103V
R667	06E24996S01	ERJ3GEYF102V
R668	06E24996S01	ERJ3GEYF102V
R670	06E24997S01	ERJ3GEYF103V
R671	06E26200S01	ERJ3GEY0R00V
R672	06E25364S01	ERJ3GEYF183V
R673	06E24999S01	ERJ3GEYF105V
R674	06E25004S01	ERJ3GEYF153V
R675	06E25029S01	ERJ3GEYF683V
R676	06E25011S01	ERJ3GEYF223V
R677	06E25022S01	ERJ3GEYF473V
R678	06E25010S01	ERJ3GEYF222V
R679	06E25029S01	ERJ3GEYF683V
R680	06E25014S01	ERJ3GEYF273V
R681	06E25025S01	ERJ3GEYF563V
R682	06E25021S01	ERJ3GEYF472V
R683	06E24996S01	ERJ3GEYF102V
R684	06E24996S01	ERJ3GEYF102V
R685	06E24996S01	ERJ3GEYF102V
R686	06E25006S01	ERJ3GEYF182V
R687	06E24996S01	ERJ3GEYF102V
R688	06E25017S01	ERJ3GEYF333V
R689	06E24997S01	ERJ3GEYF103V
R690	06E25032S01	ERJ3GEYF822V
R691	06E25018S01	ERJ3GEYF393V
R692	06E25021S01	ERJ3GEYF472V
R693	06E33778S01	ERJ6GEYG153V
R694	06E24996S01	ERJ3GEYF102V
R695	06E24996S01	ERJ3GEYF102V
R696	06E24997S01	ERJ3GEYF103V
R697	06E25028S01	ERJ3GEYF682V
R698	06E26200S01	ERJ3GEY0R00V
R699	06E26866S01	ERJ3GEYF474V
R702	06E25017S01	ERJ3GEYF333V
R703	06E29957S01	ERJ3GEYF330V
R704	06E24995S01	ERJ3GEYF101V
R705	06E26200S01	ERJ3GEY0R00V
R707	06E25017S01	ERJ3GEYF333V
R708	06E25017S01	ERJ3GEYF333V
R710	06E26200S01	ERJ3GEY0R00V
R712	06E26200S01	ERJ3GEY0R00V
R713	06E26200S01	ERJ3GEY0R00V
R714	06E26200S01	ERJ3GEY0R00V
R715	06E26200S01	ERJ3GEY0R00V

Symbol No.	Part No.	Description
R716	06E26200S01	ERJ3GEY0R00V
R717	06E24996S01	ERJ3GEYF102V
R718	06E33777S01	ERJ6GEYG510V
R719	06E31618S01	MCR03EZHJ1R0
R720	06E31618S01	MCR03EZHJ1R0
R721	06E31618S01	MCR03EZHJ1R0
R722	06E24997S01	ERJ3GEYF103V
R723	06E24996S01	ERJ3GEYF102V
R724	06E24996S01	ERJ3GEYF102V
R725	06E24996S01	ERJ3GEYF102V
R727	06E25021S01	ERJ3GEYF472V
R728	06E28600S01	MCR18EZHJ101
R729	06E31618S01	MCR03EZHJ1R0
R731	06E31618S01	MCR03EZHJ1R0
R732	06E26200S01	ERJ3GEY0R00V
R733	06E26200S01	ERJ3GEY0R00V
R734	06E24996S01	ERJ3GEYF102V
R735	06E24996S01	ERJ3GEYF102V
R737	06E24990S01	ERJ3GEYJ3R3V
R738	06E25021S01	ERJ3GEYF472V
R740	06E25367S01	ERJ3GEYF823V
R741	06E25017S01	ERJ3GEYF333V
R742	06E24998S01	ERJ3GEYF104V
R743	06E25005S01	ERJ3GEYF154V
R900	06E31619S01	MCR18EZHJ182
R901	06E31619S01	MCR18EZHJ182
VR600	18E29922S01	RH0615CJ4J
VR601	18E26831S01	EVM3YSX50B54
VR602	18E26831S01	EVM3YSX50B54
VR603	18E26830S01	EVM3YSX50B24
VR604	18E29922S01	RH0615CJ4J
Connectors		
CN601	09E33766S01	FH12A-30S-0.5SH
CN602	09E29920S01	S2B-ZR-SM3A-TF
CN900	09E28594S01	SM02(8.0)B-BHS-1-TB
Miscelaneous		
CN600	09E33765S01	R41-2422B
LCD601	01E33795S01	PANEL UNIT
SP602	50E31664S01	SPEAKER

Symbol No.	Part No.	Description

TME-M760

Cabinet Assembly Parts List

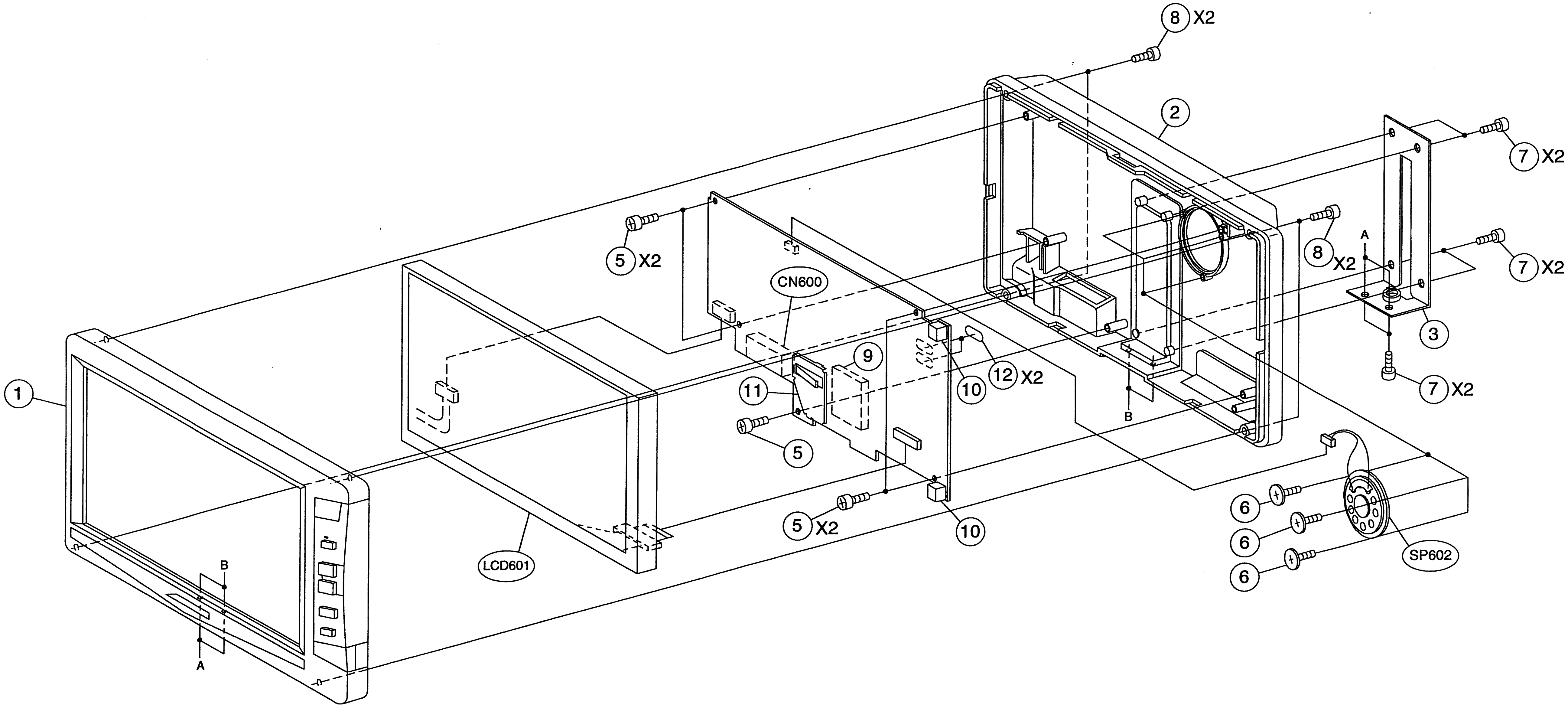
NOTE:Parts without part number are not supplied.

Symbol No.	Index	Part No.	Description
1		15E33792S01	ASSY,CASE SURFACE
2		15E33793S01	CASE,BOTTOM
3		07E33794S01	BRACKET,STAND
5		03E23435S01	SCREW
6		03E31665S01	SCREW
7		03E33799S01	SCREW
8		03E33800S01	SCREW
9		15E33785S01	SHIELD
10		43E33786S01	SPACER
11		15E33787S01	EARTH CONTACT
12		14E33788S01	SHEET

Symbol No.	Index	Part No.	Description

Exploded View (Cabinet)

(Monitor Unit)


8 X2
2
7 X2
5 X2
CN600
8 X2
A
7 X2
9
11
10
12 X2
3
7 X2
B
1
5
5 X2
10
6
6
6
SP602
LCD601
B
A